ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
Instantaneous Electric Data																
*	*	*	*	*	*	*	*	0x0046	XXXX	0.1V	0x0000 ~ 0xFFFF(0.0V ~ 6553.5V)	0x08FC -- > 230.0V	R	1	Voltage A phase	
		*	*	*	*	*	*	0x0047	XXXX	0.1V			R	1	Voltage B phase	
		*	*	*	*	*	*	0x0048	XXXX	0.1V			R	1	Voltage C phase	
		*	*	*	*	*	*	0x0049	XXXX	0.1V			R	1	Voltage A-B phase	
		*	*	*	*	*	*	0x004A	XXXX	0.1V			R	1	Voltage B-C phase	
		*	*	*	*	*	*	0x004B	XXXX	0.1V			R	1	Voltage C-A phase	
*	*	*	*	*	*			0x004C	XXXX	0.01A	0x0000 ~ 0xFFFF(0.00A ~ 655.35A)	0x03E8 -- > 10.00A	R	1	Current A phase	
		*	*	*	*			0x004D	XXXX	0.01A			R	1	Current B phase	
		*	*	*	*			0x004E	XXXX	0.01A			R	1	Current C phase	
						*	*	0x004C	XXXX	0.001A	0x0000 ~ 0xFFFF(0.000A ~ 65.535A)	0x03E8 -- > 1.000A * Current rate	R	1	Current A phase	
						*	*	0x004D	XXXX	0.001A			R	1	Current B phase	
						*	*	0x004E	XXXX	0.001A			R	1	Current C phase	
*	*	*	*	*	*			0x004F	XXXX	0.01kW	0x0000 ~ 0xFFFF(signed int : -327.68kW ~ 327.67kW)	0x03E8 -- > 10.00kW	R	1	Active Power A phase	
		*	*	*	*			0x0050	XXXX	0.01kW			R	1	Active Power B phase	
		*	*	*	*			0x0051	XXXX	0.01kW			R	1	Active Power C phase	
		*	*	*	*			0x0052	XXXX	0.01kW			R	1	Total Active Power	
						*	*	0x004F	XXXX	1W	0x0000 ~ 0xFFFF(signed int : -32768W ~ 32767W)	0x03E8 -- > 1000W * Current rate (in MW format)	R	1	Active Power A phase	
						*	*	0x0050	XXXX	1W			R	1	Active Power B phase	
						*	*	0x0051	XXXX	1W			R	1	Active Power C phase	
						*	*	0x0052	XXXX	1W			R	1	Total Active Power	
*	*	*	*	*	*			0x0053	XXXX	0.01kvar	0x0000 ~ 0xFFFF((signed int :-327.68kvar ~ 327.67kvar)	0x03E8 -- > 10.00kvar	R	1	Reactive Power A phase	
		*	*	*	*			0x0054	XXXX	0.01kvar			R	1	Reactive Power B phase	
		*	*	*	*			0x0055	XXXX	0.01kvar			R	1	Reactive Power C phase	
		*	*	*	*			0x0056	XXXX	0.01kvar			R	1	Total Reactive Power	
						*	*	0x0053	XXXX	1var	0x0000 ~ 0xFFFF((signed int :-32768var ~ 32767var)	0x03E8 -- > 1000var * Current rate (in Mvar format)	R	1	Reactive Power A phase	
						*	*	0x0054	XXXX	1var			R	1	Reactive Power B phase	
						*	*	0x0055	XXXX	1var			R	1	Reactive Power C phase	
						*	*	0x0056	XXXX	1var			R	1	Total Reactive Power	
*	*	*	*	*	*			0x0057	XXXX	0.01kVA	0x0000 ~ 0xFFFF(0kVA ~ 655.35kVA)	0x03E8 -- > 10.00kVA	R	1	Apparent Power A Phase	
		*	*	*	*			0x0058	XXXX	0.01kVA			R	1	Apparent Power B Phase	
		*	*	*	*			0x0059	XXXX	0.01kVA			R	1	Apparent Power C Phase	
		*	*	*	*			0x005A	XXXX	0.01kVA			R	1	Total Apparent Power	
						*	*	0x0057	XXXX	1VA	0x0000 ~ 0xFFFF(0VA ~ 65535VA)	0x03E8 -- > 1000VA * Current rate (in MVA format)	R	1	Apparent Power A Phase	
						*	*	0x0058	XXXX	1VA			R	1	Apparent Power B Phase	
						*	*	0x0059	XXXX	1VA			R	1	Apparent Power C Phase	
						*	*	0x005A	XXXX	1VA			R	1	Total Apparent Power	
*	*	*	*	*	*	*	*	0x005B	XXXX	0,001	0x0000 ~ 0x03E8(ind. 0.000 ~ ind. 1.000) 0xFC19~0xFFFF(cap. 1.000 ~ cap. 0.001)	0x03E7-- > L0.99 0xFC19-- >C1.00	R	1	Power Factor A Phase	
		*	*	*	*	*	*	0x005C	XXXX	0,001			R	1	Power Factor B Phase	
		*	*	*	*	*	*	0x005D	XXXX	0,001			R	1	Power Factor C Phase	
		*	*	*	*	*	*	0x005E	XXXX	0,001			R	1	Total Power Factor	
*	*	*	*	*	*	*	*	0x005F	XXXX	0.01Hz	0x0000 ~ 0xFFFF(0.00Hz ~ 655.35Hz)	0x0032-- >50.00Hz	R	1	Frequency	
		*	*	*	*	*	*	0x0060	XXXX	0.1º	0x0000 ~ 0x8CA0(0.00º ~ 360.00º)	/	R	1	Angle of Phase A-B	
		*	*	*	*	*	*	0x0061	XXXX	0.1º			R	1	Angle of Phase B-C	
		*	*	*	*	*	*	0x0062	XXXX	0.1º			R	1	Angle of Phase C-A	
Prepayment Parameters																
					*			0x0100	XXXXXXXX	Wh	not exceed 10,000,000 Wh (Signed)	kWh	R/W	2	L1 available credit(when READ)/credit amount(when WRITE)	User or Factory password mode
					*			0x0102	XXXXXXXX	Wh	not exceed 10,000,000 Wh (Signed)	kWh	R/W	2	L2 available credit(when READ)/credit amount(when WRITE)	User or Factory password mode
					*			0x0104	XXXXXXXX	Wh	not exceed 10,000,000 Wh (Signed)	kWh	R/W	2	L3 available credit(when READ)/credit amount(when WRITE)	User or Factory password mode
					*			0x0106	NNNN		0x0000 ~ 0xFFFF	/	R/C	1	The number of purchase energy of PHASE L1	User or Factory password mode
					*			0x0107	NNNN		0x0000 ~ 0xFFFF	/	R/C	1	The number of purchase energy of PHASE L2	User or Factory password mode
					*			0x0108	NNNN		0x0000 ~ 0xFFFF	/	R/C	1	The number of purchase energy of PHASE L3	User or Factory password mode
					*			0x0110	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L1 / information of the last time to purchase energy	
					*			0x0115	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L1 / information of the last 2nd time to purchase energy	

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CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
					*			0x011A	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L1 / information of the last 3rd time to purchase energy	
					*			0x011F	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L1 / information of the last 4th time to purchase energy	
					*			0x0124	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L1 / information of the last 5th time to purchase energy	
					*			0x0129	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L2 / information of the last time to purchase energy	
					*			0x012E	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L2 / information of the last 2nd time to purchase energy	
					*			0x0133	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L2 / information of the last 3rd time to purchase energy	
					*			0x0138	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L2 / information of the last 4th time to purchase energy	
					*			0x013D	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L2 / information of the last 5th time to purchase energy	
					*			0x0142	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L3 / information of the last time to purchase energy	
					*			0x0147	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L3 / information of the last 2nd time to purchase energy	
					*			0x014C	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L3 / information of the last 3rd time to purchase energy	
					*			0x0151	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L3 / information of the last 4th time to purchase energy	
					*			0x0156	XXXXXXXX YY.MM.DD.hh.mm.ss.		purchase energy+date+time	/	R	5	L3 / information of the last 5th time to purchase energy	
Meter Parameters																
*	*	*	*	*	*	*	*	0x0200	XXXX		0x0000 ~ 0xFFFF	/	W	1	Verify user password(Low security)（1-9999）	User super password is 0x2208
									/	/	/	/	R	1	Exit the programming mode	
*	*	*	*	*	*	*	*	0x0201	XXXX		0x0000 ~ 0xFFFF	/	W	1	Verify factory password(High security)（1-9999）	Factory password is 0x04A4
									/	/	/	/	R	1	Exit the programming mode	
*	*	*	*	*	*	*	*	0x0202	XXXX		0x0000 ~ 0xFFFF	/	W	1	Modify user password(Low security)（1-9999）	User or Factory password mode
*	*	*	*	*	*	*	*	0x0210	XXXX		0x0000 ~ 0x00F7	/	R/W	1	Meter address (1-247)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0211	XXXX		0x0000 ~ 0x0003	/	R/W	1	BaudRate （0-1200; 1-2400; 2-4800; 3-9600(default) ;) CONTAX D-3221 Bluetooth model support READ only!	User or Factory password mode
*	*	*	*	*	*	*	*	0x0212	XXXX		0x0000 ~ 0x0002	/	R/W	1	communication format （0 - N.8.1(default); 1 - O.8.1; 2 - E.8.1） CONTAX D-3221 Bluetooth model support READ only!	User or Factory password mode
		*	*	*	*	*	*	0x0213	XXXX		0x0000 ~ 0x0001	/	R	1	Workmode (0-V3P4;1-V3P3)	
		*	*	*	*	*	*	0x0214	XXXX		0x0000 ~ 0x0002	/	R	1	Voltage range(0-100V；1-230V；2-400V; 3-127V)	
*	*	*	*	*	*	*	*	0x0215	XXXX		0x0000 ~ 0x0002	/	R	1	Current range (0-1.5A; 1-5A ; 2-10A)	
*	*	*	*	*	*	*	*	0x0216	XXXX		0x0000 ~ 0xFFFF	/	R	1	Constant of Meter	
*	*	*	*	*	*	*	*	0x0217	XXXX		0x0000 ~ 0xFFFF	/	R	1	Word of Meter Status *1)Explanation	
*	*	*	*	*	*	*	*	0x0218	XXXX		0x0000 ~ 0xFFFF	/	R	1	Firmware version	

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CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
*	*	*	*	*	*	*	*	0x0219	XXXX		0x0000 ~ 0xFFFF	/	R	1	Meter model 6041-- CONTAX D-6041-BUS , 10093-- CONTAX D-10093-BUS , 6593-- CONTAX D-6593-BUS-R , 6591-- CONTAX D-6593-BUS-R V3x1 , , 6592-- CONTAX D-6593-BUS-R V3x1 prepayment , 0643-- CONTAX D-0643-BUS , 3221-- CONTAX D-3221 Bluetooth ,	
								0x021B	XXXX		0x0000 ~ 0x03E8	/	R/W	1	Voltage rate	User or Factory password mode
						*	*	0x021C	XXXX		0x0000 ~ 0x03E8	/	R/W	1	Current rate	User or Factory password mode
*	*	*	*	*	*	*	*	0x0220	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R/W	3	Time & Date*2)Explanation	User or Factory password mode
*	*	*	*	*	*	*	*	0x0223	XXXX		0x0000 ~ 0x0006(Sunday ~ Saturday)	/	R	1	Day (00 ~ 06 -- Sunday ~ Saturday)	
*	*	*	*	*	*	*	*	0x0224	XXXX		0x0000 ~ 0x0003	/	R	1	Day type(00 - weekday ; 01 - Saturday ; 02 - Sunday ; 03 - holiday ; others - error)	
*	*	*	*	*	*	*	*	0x0230	DD.MM.hh.mm		DDMMhhmm	/	R	2	Period of TOU 1-- Summer Time	
*	*	*	*	*	*	*	*	0x0240	DD.MM.hh.mm		DDMMhhmm	/	R	2	Period of TOU 2-- Winter Time	
*	*	*	*	*	*	*	*	0x0250	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 1st TOU time table (Monday to Friday)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0260	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 2nd TOU time table (Monday to Friday)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0270	0xFF00		0xFF00	/	W	1	Clear Energy	Factory password mode
			*					0x0271	XXXX		0x0000 or 0xFF00	/	R/W	1	Latch Relay On/Off (0xFF00-All On ; 0x0000-All Off)	User or Factory password mode
			*					0x0272	XXXX		0x0001 ~ 0x0003	/	R/W	1	Relay restart mode (1-Timer and Modbus ; 2-Key and Modbus ; 3-Modbus(default))	User or Factory password mode
			*	*	*			0x0273	XXXX	Second	0x0000 ~ 0xFFFF	/	R/W	1	Relay restart time after CURRENT OVER LOAD	User or Factory password mode
			*	*	*			0x0274	XXXX	A	0x0000 ~ 0x005A	/	R/W	1	Max. Current of relay off/open	User or Factory password mode
				*	*			0x0275	XXXX		0x0000 or 0xFF00	/	R/W	1	L1 Latch Relay On/Off (0xFF00-L1 On ; 0x0000-L1 Off)	User or Factory password mode
				*	*			0x0276	XXXX		0x0000 or 0xFF00	/	R/W	1	L2 Latch Relay On/Off (0xFF00-L2 On ; 0x0000-L2 Off)	User or Factory password mode
				*	*			0x0277	XXXX		0x0000 or 0xFF00	/	R/W	1	L3 Latch Relay On/Off (0xFF00-L3 On ; 0x0000-L3 Off)	User or Factory password mode
				*	*			0x0278	XXXX		0x0001 ~ 0x0003	/	R/W	1	L1 Relay restart mode (1-Timer and Modbus ; 2-Key and Modbus ; 3-Modbus(default))	User or Factory password mode
				*	*			0x0279	XXXX		0x0001 ~ 0x0003	/	R/W	1	L2 Relay restart mode (1-Timer and Modbus ; 2-Key and Modbus ; 3-Modbus(default))	User or Factory password mode
				*	*			0x027A	XXXX		0x0001 ~ 0x0003	/	R/W	1	L3 Relay restart mode (1-Timer and Modbus ; 2-Key and Modbus ; 3-Modbus(default))	User or Factory password mode
				*	*			0x0280	XXXX		0x0000 ~ 0x0003	/	R/W	1	SO/LED impulse output selection(0x0000 - Total ; 0x0001 - L1 ; 0x0002 - L2 ; 0x0003 - L3)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0290	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 1st TOU time table (Saturday)	User or Factory password mode
*	*	*	*	*	*	*	*	0x02A0	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 2nd TOU time table (Saturday)	User or Factory password mode
*	*	*	*	*	*	*	*	0x02B0	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 1st TOU time table (Sunday)	User or Factory password mode
*	*	*	*	*	*	*	*	0x02C0	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 2nd TOU time table (Sunday)	User or Factory password mode
*	*	*	*	*	*	*	*	0x02D0	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 1st TOU time table (Special Holidays)	User or Factory password mode
*	*	*	*	*	*	*	*	0x02E0	hh.mm.NN		hhmmNN***hhmmNN	/	R/W	12	The 2nd TOU time table(Special Holidays)	User or Factory password mode
*	*	*	*	*	*	*	*	0x02FE	XXXX		0x0000 or 0xFF00	/	R	1	Sumer time or Winter time (0xFF00-Summer time; 0x0000-Winter time)	
*	*	*	*	*	*	*	*	0x02FF	YYYY	year	0x0000 ~ 0x0031	/	R/W	1	The begin year of time table for summer-winter change	User or Factory password mode
*	*	*	*	*	*	*	*	0x0300	(DD.MM.hh.mm-DD.MM.hh.mm)*5		DD.MM.hh.mm-DD.MM.hh.mm(HEX)	/	R/W	20	summer-winter change Batch 1 (the 1st five years)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0314	(DD.MM.hh.mm-DD.MM.hh.mm)*5		DD.MM.hh.mm-DD.MM.hh.mm(HEX)	/	R/W	20	summer-winter change Batch 2 (the 2nd five years)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0328	(DD.MM.hh.mm-DD.MM.hh.mm)*5		DD.MM.hh.mm-DD.MM.hh.mm(HEX)	/	R/W	20	summer-winter change Batch 3 (the 3rd five years)	User or Factory password mode
*	*	*	*	*	*	*	*	0x033C	(DD.MM.hh.mm-DD.MM.hh.mm)*5		DD.MM.hh.mm-DD.MM.hh.mm(HEX)	/	R/W	20	summer-winter change Batch 4 (the 4th five years)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0350	(DD.MM.hh.mm-DD.MM.hh.mm)*5		DD.MM.hh.mm-DD.MM.hh.mm(HEX)	/	R/W	20	summer-winter change Batch 5 (the 5th five years)	User or Factory password mode
*	*							0x07D0	XX...XX		/	/	R/W	7	LCD display items (14)	User or Factory password mode
		*	*	*	*	*	*	0x07D0	XX...XX		/	/	R/W	15	LCD display items (30)	User or Factory password mode
*	*	*	*	*	*	*	*	0x0800	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Jan.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0820	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Feb.	User or Factory password mode

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*	*	*	*	*	*	*	*	0x0840	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Mar.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0860	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Apr.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0880	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for May.	User or Factory password mode
*	*	*	*	*	*	*	*	0x08A0	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for June.	User or Factory password mode
*	*	*	*	*	*	*	*	0x08C0	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for July.	User or Factory password mode
*	*	*	*	*	*	*	*	0x08E0	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Aug.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0900	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Sept.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0920	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Oct.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0940	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Nov.	User or Factory password mode
*	*	*	*	*	*	*	*	0x0960	DDYY		DDYY***DDYY	/	R/W	25	The holidays table for Dec.	User or Factory password mode
Records of Event																
*	*	*	*	*	*	*	*	0x0400	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	Time of clear energy (the last time)	
*	*	*	*	*	*	*	*	0x0410	XXXX	0.1V	0x0000 ~ 0xFFFF(0.0V ~ 6553.5V)		R/C	1	Maximum demand of Voltage L1	User or Factory password mode
*	*	*	*	*	*	*	*	0x0411	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of maximum Voltage demand L1	
*	*	*	*	*	*	*	*	0x0420	XXXX	0.1V	0x0000 ~ 0xFFFF(0.0V ~ 6553.5V)		R/C	1	Maximum demand of Voltage L2	User or Factory password mode
*	*	*	*	*	*	*	*	0x0421	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of maximum Voltage demand L2	
*	*	*	*	*	*	*	*	0x0430	XXXX	0.1V	0x0000 ~ 0xFFFF(0.0V ~ 6553.5V)		R/C	1	Maximum demand of Voltage L3	User or Factory password mode
*	*	*	*	*	*	*	*	0x0431	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of maximum Voltage demand L3	
*	*	*	*	*	*			0x0440	XXXX	0.01A	0x0000 ~ 0xFFFF(0.00A ~ 655.35A)		R/C	1	Maximum demand of Current L1	User or Factory password mode
						*	*	0x0440	XXXX	0.001A	0x0000 ~ 0xFFFF(0.000A ~ 65.535A)	* Current rate	R/C	1	Maximum demand of Current L1	User or Factory password mode
*	*	*	*	*	*	*	*	0x0441	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of maximum Current demand L1	
*	*	*	*	*	*			0x0450	XXXX	0.01A	0x0000 ~ 0xFFFF(0.00A ~ 655.35A)		R/C	1	Maximum demand of Current L2	User or Factory password mode
						*	*	0x0450	XXXX	0.001A	0x0000 ~ 0xFFFF(0.000A ~ 65.535A)	* Current rate	R/C	1	Maximum demand of Current L2	User or Factory password mode
*	*	*	*	*	*	*	*	0x0451	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of maximum Current demand L2	
*	*	*	*	*	*			0x0460	XXXX	0.01A	0x0000 ~ 0xFFFF(0.00A ~ 655.35A)		R/C	1	Maximum demand of Current L3	User or Factory password mode
						*	*	0x0460	XXXX	0.001A	0x0000 ~ 0xFFFF(0.000A ~ 65.535A)	* Current rate	R/C	1	Maximum demand of Current L3	User or Factory password mode
*	*	*	*	*	*	*	*	0x0461	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of maximum Current demand L3	
*	*	*	*	*	*			0x0470	XXXX	0.01kW	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kW)		R/C	1	Active energy maximum demand L1	User or Factory password mode
						*	*	0x0470	XXXX	1W	0x0000 ~ 0xFFFF(0W ~ 65535W)	* Current rate	R/C	1	Active energy maximum demand L1	User or Factory password mode
*	*	*	*	*	*	*	*	0x0471	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of active energy maximum demand L1	
*	*	*	*	*	*			0x0480	XXXX	0.01kW	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kW)		R/C	1	Active energy maximum demand L2	User or Factory password mode
						*	*	0x0480	XXXX	1W	0x0000 ~ 0xFFFF(0W ~ 65535W)	* Current rate	R/C	1	Active energy maximum demand L2	User or Factory password mode
*	*	*	*	*	*	*	*	0x0481	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of active energy maximum demand L2	
*	*	*	*	*	*			0x0490	XXXX	0.01kW	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kW)		R/C	1	Active energy maximum demand L3	User or Factory password mode
						*	*	0x0490	XXXX	1W	0x0000 ~ 0xFFFF(0W ~ 65535W)	* Current rate	R/C	1	Active energy maximum demand L3	User or Factory password mode
*	*	*	*	*	*	*	*	0x0491	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of active energy maximum demand L3	
*	*	*	*	*	*			0x04A0	XXXX	0.01kW	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kW)		R/C	1	Active energy maximum demand L1+L2+L3	User or Factory password mode
						*	*	0x04A0	XXXX	1W	0x0000 ~ 0xFFFF(0W ~ 65535W)	* Current rate	R/C	1	Active energy maximum demand L1+L2+L3	User or Factory password mode
*	*	*	*	*	*	*	*	0x04A1	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of active energy maximum demand L1+L2+L3	
*	*	*	*	*	*			0x04B0	XXXX	0.01kvar	0x0000 ~ 0xFFFF(0.00kvar ~ 655.35kvar)		R/C	1	Reactive energy maximum demand L1	User or Factory password mode
						*	*	0x04B0	XXXX	1var	0x0000 ~ 0xFFFF(0var ~ 65535var)	* Current rate	R/C	1	Reactive energy maximum demand L1	User or Factory password mode
*	*	*	*	*	*	*	*	0x04B1	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of Reactive energy maximum demand L1	
*	*	*	*	*	*			0x04C0	XXXX	0.01kvar	0x0000 ~ 0xFFFF(0.00kvar ~ 655.35kvar)		R/C	1	Reactive energy maximum demand L2	User or Factory password mode
						*	*	0x04C0	XXXX	1var	0x0000 ~ 0xFFFF(0var ~ 65535var)	* Current rate	R/C	1	Reactive energy maximum demand L2	User or Factory password mode
*	*	*	*	*	*	*	*	0x04C1	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of Reactive energy maximum demand L2	
*	*	*	*	*	*			0x04D0	XXXX	0.01kvar	0x0000 ~ 0xFFFF(0.00kvar ~ 655.35kvar)		R/C	1	Reactive energy maximum demand L3	User or Factory password mode
						*	*	0x04D0	XXXX	1var	0x0000 ~ 0xFFFF(0var ~ 65535var)	* Current rate	R/C	1	Reactive energy maximum demand L3	User or Factory password mode
*	*	*	*	*	*	*	*	0x04D1	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of Reactive energy maximum demand L3	

ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
*	*	*	*	*	*			0x04E0	XXXX	0.01kvar	0x0000 ~ 0xFFFF(0.00kvar ~ 655.35kvar)		R/C	1	Reactive energy maximum demand L1+L2+L3	User or Factory password mode
						*	*	0x04E0	XXXX	1var	0x0000 ~ 0xFFFF(0var ~ 65535var)	* Current rate	R/C	1	Reactive energy maximum demand L1+L2+L3	User or Factory password mode
*	*	*	*	*	*	*	*	0x04E1	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	stamp of Reactive energy maximum demand L1+L2+L3	
*	*	*	*	*	*	*	*	0x04F0	NNNN		0x0000 ~ 0xFFFF	/	R/C	1	The number of Voltage lost (the electricity off)	User or Factory password mode
*	*	*	*	*	*	*	*	0x04F1	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)	/	R	3	The time of last voltage lost (the electricity off)	
Write & Read Electric Energy																
*	*	*	*			*	*	0x2000	XXXXXXXX	Wh	0x00000000 ~ 0x3B9AC9FF(0Wh	* Current rate	R	2	Total Active Energy (Current)	
*	*	*	*			*	*	0x2002	XXXXXXXX	Wh	~999,999,999Wh)	(in MWh format)	R	2	Total Active Energy Of T1 (Current)	
*	*	*	*			*	*	0x2004	XXXXXXXX	Wh			R	2	Total Active Energy Of T2 (Current)	
*	*	*	*			*	*	0x2006	XXXXXXXX	Wh			R	2	Total Active Energy Of T3(Current)	
*	*	*	*			*	*	0x2008	XXXXXXXX	Wh			R	2	Total Active Energy Of T4 (Current)	
*	*	*	*			*	*	0x2010	XXXXXXXX	Wh			R	2	Total Active Energy (Last 1 Month)	
*	*	*	*			*	*	0x2012	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 1 Month)	
*	*	*	*			*	*	0x2014	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 1 Month)	
*	*	*	*			*	*	0x2016	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 1 Month)	
*	*	*	*			*	*	0x2018	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 1 Month)	
*	*	*	*			*	*	0x2020 ~	XXXXXXXX	Wh			R		Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	
*	*	*	*			*	*	0x20C0	XXXXXXXX	Wh			R	2	Total Active Energy (Last 12 Month)	
*	*	*	*			*	*	0x20C2	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 12 Month)	
*	*	*	*			*	*	0x20C4	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 12 Month)	
*	*	*	*			*	*	0x20C6	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 12 Month)	
*	*	*	*			*	*	0x20C8	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 12 Month)	
*	*	*	*			*	*	0x2100	XXXXXXXX	Wh			R	2	Total Import Active Energy (Current)	
*	*	*	*			*	*	0x2102	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T1 (Current)	
*	*	*	*			*	*	0x2104	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T2 (Current)	
*	*	*	*			*	*	0x2106	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T3(Current)	
*	*	*	*			*	*	0x2108	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T4 (Current)	
*	*	*	*			*	*	0x2110	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 1 Month)	
*	*	*	*			*	*	0x2112	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 1 Month)	
*	*	*	*			*	*	0x2114	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 1 Month)	
*	*	*	*			*	*	0x2116	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 1 Month)	
*	*	*	*			*	*	0x2118	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 1 Month)	
*	*	*	*			*	*	0x2120 ~	XXXXXXXX	Wh			R		Import Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	
*	*	*	*			*	*	0x21C0	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 12 Month)	
*	*	*	*			*	*	0x21C2	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 12 Month)	
*	*	*	*			*	*	0x21C4	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 12 Month)	
*	*	*	*			*	*	0x21C6	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 12 Month)	
*	*	*	*			*	*	0x21C8	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 12 Month)	
*	*	*	*			*	*	0x2200	XXXXXXXX	Wh			R	2	Total Export Active Energy (Current)	
*	*	*	*			*	*	0x2202	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T1 (Current)	
*	*	*	*			*	*	0x2204	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T2 (Current)	
*	*	*	*			*	*	0x2206	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T3(Current)	
*	*	*	*			*	*	0x2208	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T4 (Current)	
*	*	*	*			*	*	0x2210	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 1 Month)	
*	*	*	*			*	*	0x2212	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 1 Month)	
*	*	*	*			*	*	0x2214	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 1 Month)	

ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
*	*	*	*			*	*	0x2216	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 1 Month)	
*	*	*	*			*	*	0x2218	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 1 Month)	
*	*	*	*			*	*	0x2220 ~	XXXXXXXX	Wh			R		Export Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	
*	*	*	*			*	*	0x22C0	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 12 Month)	
*	*	*	*			*	*	0x22C2	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 12 Month)	
*	*	*	*			*	*	0x22C4	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 12 Month)	
*	*	*	*			*	*	0x22C6	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 12 Month)	
*	*	*	*			*	*	0x22C8	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 12 Month)	
*	*	*	*			*	*	0x2300	XXXXXXXX	varh	0x00000000 ~ 0x3B9AC9FF(0varh ~999,999,999varh)	* Current rate (in Mvarh format)	R	2	Total Reactive Energy (Current)	
*	*	*	*			*	*	0x2302	XXXXXXXX	varh			R	2	Total Reactive Energy Of T1 (Current)	
*	*	*	*			*	*	0x2304	XXXXXXXX	varh			R	2	Total Reactive Energy Of T2 (Current)	
*	*	*	*			*	*	0x2306	XXXXXXXX	varh			R	2	Total Reactive Energy Of T3(Current)	
*	*	*	*			*	*	0x2308	XXXXXXXX	varh			R	2	Total Reactive Energy Of T4 (Current)	
*	*	*	*			*	*	0x2310	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 1 Month)	
*	*	*	*			*	*	0x2312	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 1 Month)	
*	*	*	*			*	*	0x2314	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 1 Month)	
*	*	*	*			*	*	0x2316	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 1 Month)	
*	*	*	*			*	*	0x2318	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 1 Month)	
*	*	*	*			*	*	0x2320 ~	XXXXXXXX	varh			R		Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	
*	*	*	*			*	*	0x23C0	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 12 Month)	
*	*	*	*			*	*	0x23C2	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 12 Month)	
*	*	*	*			*	*	0x23C4	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 12 Month)	
*	*	*	*			*	*	0x23C6	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 12 Month)	
*	*	*	*			*	*	0x23C8	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 12 Month)	
*	*	*	*			*	*	0x2400	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Current)	
*	*	*	*			*	*	0x2402	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T1 (Current)	
*	*	*	*			*	*	0x2404	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T2 (Current)	
*	*	*	*			*	*	0x2406	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T3(Current)	
*	*	*	*			*	*	0x2408	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T4 (Current)	
*	*	*	*			*	*	0x2410	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 1 Month)	
*	*	*	*			*	*	0x2412	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 1 Month)	
*	*	*	*			*	*	0x2414	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 1 Month)	
*	*	*	*			*	*	0x2416	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 1 Month)	
*	*	*	*			*	*	0x2418	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 1 Month)	
*	*	*	*			*	*	0x2420 ~	XXXXXXXX	varh			R		Import Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	
*	*	*	*			*	*	0x24C0	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 12 Month)	
*	*	*	*			*	*	0x24C2	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 12 Month)	
*	*	*	*			*	*	0x24C4	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 12 Month)	
*	*	*	*			*	*	0x24C6	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 12 Month)	
*	*	*	*			*	*	0x24C8	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 12 Month)	
*	*	*	*			*	*	0x2500	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Current)	
*	*	*	*			*	*	0x2502	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T1 (Current)	
*	*	*	*			*	*	0x2504	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T2 (Current)	
*	*	*	*			*	*	0x2506	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T3 (Current)	
*	*	*	*			*	*	0x2508	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T4 (Current)	

ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
*	*	*	*			*	*	0x2510	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 1 Month)	
*	*	*	*			*	*	0x2512	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 1 Month)	
*	*	*	*			*	*	0x2514	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 1 Month)	
*	*	*	*			*	*	0x2516	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 1 Month)	
*	*	*	*			*	*	0x2518	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 1 Month)	
*	*	*	*			*	*	0x2520 ~	XXXXXXXX	varh			R		Export Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	
*	*	*	*			*	*	0x25C0	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 12 Month)	
*	*	*	*			*	*	0x25C2	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 12 Month)	
*	*	*	*			*	*	0x25C4	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 12 Month)	
*	*	*	*			*	*	0x25C6	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 12 Month)	
*	*	*	*			*	*	0x25C8	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 12 Month)	
				*	*			0x2600	XXXXXXXX	Wh	0x00000000 ~ 0x3B9AC9FF(0Wh ~999,999,999Wh)	* Current rate (in MWh format)	R	2	Total Active Energy (Current)	L1 phase
				*				0x2602	XXXXXXXX	Wh			R	2	Total Active Energy Of T1 (Current)	L1 phase
				*				0x2604	XXXXXXXX	Wh			R	2	Total Active Energy Of T2 (Current)	L1 phase
				*				0x2606	XXXXXXXX	Wh			R	2	Total Active Energy Of T3(Current)	L1 phase
				*				0x2608	XXXXXXXX	Wh			R	2	Total Active Energy Of T4 (Current)	L1 phase
				*	*			0x2610	XXXXXXXX	Wh			R	2	Total Active Energy (Last 1 Month)	L1 phase
				*				0x2612	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 1 Month)	L1 phase
				*				0x2614	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 1 Month)	L1 phase
				*				0x2616	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 1 Month)	L1 phase
				*				0x2618	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 1 Month)	L1 phase
				*	*(No tariff energy)			0x2620 ~ 0x2628 ... 0x26B0 ~ 0x26B8	XXXXXXXX	Wh			R		Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L1 phase
				*	*			0x26C0	XXXXXXXX	Wh			R	2	Total Active Energy (Last 12 Month)	L1 phase
				*				0x26C2	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 12 Month)	L1 phase
				*				0x26C4	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 12 Month)	L1 phase
				*				0x26C6	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 12 Month)	L1 phase
				*				0x26C8	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 12 Month)	L1 phase
				*	*			0x2700	XXXXXXXX	Wh			R	2	Total Import Active Energy (Current)	L1 phase
				*				0x2702	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T1 (Current)	L1 phase
				*				0x2704	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T2 (Current)	L1 phase
				*				0x2706	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T3(Current)	L1 phase
				*				0x2708	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T4 (Current)	L1 phase
				*	*			0x2710	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 1 Month)	L1 phase
				*				0x2712	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 1 Month)	L1 phase
				*				0x2714	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 1 Month)	L1 phase
				*				0x2716	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 1 Month)	L1 phase
				*				0x2718	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 1 Month)	L1 phase
				*	*(No tariff energy)			0x2720 ~ 0x2728 ... 0x27B0 ~ 0x27B8	XXXXXXXX	Wh			R		Import Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L1 phase
				*	*			0x27C0	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 12 Month)	L1 phase
				*				0x27C2	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 12 Month)	L1 phase
				*				0x27C4	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 12 Month)	L1 phase
				*				0x27C6	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 12 Month)	L1 phase

ModBus Parameters Table for Contax D
Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
				*				0x27C8	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 12 Month)	L1 phase
				*	*			0x2800	XXXXXXXX	Wh			R	2	Total Export Active Energy (Current)	L1 phase
				*				0x2802	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T1 (Current)	L1 phase
				*				0x2804	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T2 (Current)	L1 phase
				*				0x2806	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T3(Current)	L1 phase
				*				0x2808	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T4 (Current)	L1 phase
				*	*			0x2810	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 1 Month)	L1 phase
				*				0x2812	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 1 Month)	L1 phase
				*				0x2814	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 1 Month)	L1 phase
				*				0x2816	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 1 Month)	L1 phase
				*				0x2818	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 1 Month)	L1 phase
				*	*(No tariff energy)			0x2820 ~ 0x2828 ... 0x28B0 ~ 0x28B8	XXXXXXXX	Wh			R		Export Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L1 phase
				*	*			0x28C0	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 12 Month)	L1 phase
				*				0x28C2	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 12 Month)	L1 phase
				*				0x28C4	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 12 Month)	L1 phase
				*				0x28C6	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 12 Month)	L1 phase
				*				0x28C8	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 12 Month)	L1 phase
				*	*			0x2900	XXXXXXXX	varh	0x00000000 ~ 0x3B9AC9FF(0varh ~999,999,999varh)	* Current rate (in Mvarh format)	R	2	Total Reactive Energy (Current)	L1 phase
				*				0x2902	XXXXXXXX	varh			R	2	Total Reactive Energy Of T1 (Current)	L1 phase
				*				0x2904	XXXXXXXX	varh			R	2	Total Reactive Energy Of T2 (Current)	L1 phase
				*				0x2906	XXXXXXXX	varh			R	2	Total Reactive Energy Of T3(Current)	L1 phase
				*				0x2908	XXXXXXXX	varh			R	2	Total Reactive Energy Of T4 (Current)	L1 phase
				*	*			0x2910	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 1 Month)	L1 phase
				*				0x2912	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 1 Month)	L1 phase
				*				0x2914	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 1 Month)	L1 phase
				*				0x2916	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 1 Month)	L1 phase
				*				0x2918	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 1 Month)	L1 phase
				*	*(No tariff energy)			0x2920 ~ 0x2928 ... 0x29B0 ~ 0x29B8	XXXXXXXX	varh			R		Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L1 phase
				*	*			0x29C0	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 12 Month)	L1 phase
				*				0x29C2	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 12 Month)	L1 phase
				*				0x29C4	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 12 Month)	L1 phase
				*				0x29C6	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 12 Month)	L1 phase
				*				0x29C8	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 12 Month)	L1 phase
				*	*			0x2A00	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Current)	L1 phase
				*				0x2A02	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T1 (Current)	L1 phase
				*				0x2A04	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T2 (Current)	L1 phase
				*				0x2A06	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T3(Current)	L1 phase
				*				0x2A08	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T4 (Current)	L1 phase
				*	*			0x2A10	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 1 Month)	L1 phase
				*				0x2A12	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 1 Month)	L1 phase
				*				0x2A14	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 1 Month)	L1 phase
				*				0x2A16	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 1 Month)	L1 phase
				*				0x2A18	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 1 Month)	L1 phase
				*	*(No tariff energy)			0x2A20 ~ 0x2A28 ... 0x2AB0 ~ 0x2AB8	XXXXXXXX	varh			R		Import Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L1 phase
				*	*			0x2AC0	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 12 Month)	L1 phase

ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
				*				0x2AC2	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 12 Month)	L1 phase
				*				0x2AC4	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 12 Month)	L1 phase
				*				0x2AC6	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 12 Month)	L1 phase
				*				0x2AC8	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 12 Month)	L1 phase
				*	*			0x2B00	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Current)	L1 phase
				*				0x2B02	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T1 (Current)	L1 phase
				*				0x2B04	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T2 (Current)	L1 phase
				*				0x2B06	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T3 (Current)	L1 phase
				*				0x2B08	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T4 (Current)	L1 phase
				*	*			0x2B10	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 1 Month)	L1 phase
				*				0x2B12	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 1 Month)	L1 phase
				*				0x2B14	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 1 Month)	L1 phase
				*				0x2B16	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 1 Month)	L1 phase
				*				0x2B18	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 1 Month)	L1 phase
				*	*(No tariff energy)			0x2B20 ~ 0x2B28 ... 0x2BB0 ~ 0x2BB8	XXXXXXXX	varh			R		Export Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L1 phase
				*	*			0x2BC0	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 12 Month)	L1 phase
				*				0x2BC2	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 12 Month)	L1 phase
				*				0x2BC4	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 12 Month)	L1 phase
				*				0x2BC6	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 12 Month)	L1 phase
				*				0x2BC8	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 12 Month)	L1 phase
				*	*			0x2C00	XXXXXXXX	Wh	0x00000000 ~ 0x3B9AC9FF(0Wh ~999,999,999Wh)	* Current rate (in MWh format)	R	2	Total Active Energy (Current)	L2 phase
				*				0x2C02	XXXXXXXX	Wh			R	2	Total Active Energy Of T1 (Current)	L2 phase
				*				0x2C04	XXXXXXXX	Wh			R	2	Total Active Energy Of T2 (Current)	L2 phase
				*				0x2C06	XXXXXXXX	Wh			R	2	Total Active Energy Of T3(Current)	L2 phase
				*				0x2C08	XXXXXXXX	Wh			R	2	Total Active Energy Of T4 (Current)	L2 phase
				*	*			0x2C10	XXXXXXXX	Wh			R	2	Total Active Energy (Last 1 Month)	L2 phase
				*				0x2C12	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 1 Month)	L2 phase
				*				0x2C14	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 1 Month)	L2 phase
				*				0x2C16	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 1 Month)	L2 phase
				*				0x2C18	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 1 Month)	L2 phase
				*	*(No tariff energy)			0x2C20 ~ 0x2C28 ... 0x2CB0 ~ 0x2CB8	XXXXXXXX	Wh			R		Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L2 phase
				*	*			0x2CC0	XXXXXXXX	Wh			R	2	Total Active Energy (Last 12 Month)	L2 phase
				*				0x2CC2	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 12 Month)	L2 phase
				*				0x2CC4	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 12 Month)	L2 phase
				*				0x2CC6	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 12 Month)	L2 phase
				*				0x2CC8	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 12 Month)	L2 phase
				*	*			0x2D00	XXXXXXXX	Wh			R	2	Total Import Active Energy (Current)	L2 phase
				*				0x2D02	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T1 (Current)	L2 phase
				*				0x2D04	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T2 (Current)	L2 phase
				*				0x2D06	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T3(Current)	L2 phase
				*				0x2D08	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T4 (Current)	L2 phase
				*	*			0x2D10	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 1 Month)	L2 phase
				*				0x2D12	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 1 Month)	L2 phase
				*				0x2D14	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 1 Month)	L2 phase
				*				0x2D16	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 1 Month)	L2 phase
				*				0x2D18	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 1 Month)	L2 phase

ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
				*	*(No tariff energy)			0x2D20 ~ 0x2D28 ... 0x2DB0 ~ 0x2DB8	XXXXXXXX	Wh			R		Import Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L2 phase
				*	*			0x2DC0	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 12 Month)	L2 phase
				*				0x2DC2	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 12 Month)	L2 phase
				*				0x2DC4	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 12 Month)	L2 phase
				*				0x2DC6	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 12 Month)	L2 phase
				*				0x2DC8	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 12 Month)	L2 phase
				*	*			0x2E00	XXXXXXXX	Wh			R	2	Total Export Active Energy (Current)	L2 phase
				*				0x2E02	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T1 (Current)	L2 phase
				*				0x2E04	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T2 (Current)	L2 phase
				*				0x2E06	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T3(Current)	L2 phase
				*				0x2E08	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T4 (Current)	L2 phase
				*	*			0x2E10	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 1 Month)	L2 phase
				*				0x2E12	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 1 Month)	L2 phase
				*				0x2E14	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 1 Month)	L2 phase
				*				0x2E16	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 1 Month)	L2 phase
				*				0x2E18	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 1 Month)	L2 phase
				*	*(No tariff energy)			0x2E20 ~ 0x2E28 ... 0x2EB0 ~ 0x2EB8	XXXXXXXX	Wh			R		Export Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L2 phase
				*	*			0x2EC0	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 12 Month)	L2 phase
				*				0x2EC2	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 12 Month)	L2 phase
				*				0x2EC4	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 12 Month)	L2 phase
				*				0x2EC6	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 12 Month)	L2 phase
				*				0x2EC8	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 12 Month)	L2 phase
				*	*			0x2F00	XXXXXXXX	varh	0x00000000 ~ 0x3B9AC9FF(0varh ~999,999,999varh)	* Current rate (in Mvarh format)	R	2	Total Reactive Energy (Current)	L2 phase
				*				0x2F02	XXXXXXXX	varh			R	2	Total Reactive Energy Of T1 (Current)	L2 phase
				*				0x2F04	XXXXXXXX	varh			R	2	Total Reactive Energy Of T2 (Current)	L2 phase
				*				0x2F06	XXXXXXXX	varh			R	2	Total Reactive Energy Of T3(Current)	L2 phase
				*				0x2F08	XXXXXXXX	varh			R	2	Total Reactive Energy Of T4 (Current)	L2 phase
				*	*			0x2F10	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 1 Month)	L2 phase
				*				0x2F12	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 1 Month)	L2 phase
				*				0x2F14	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 1 Month)	L2 phase
				*				0x2F16	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 1 Month)	L2 phase
				*				0x2F18	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 1 Month)	L2 phase
				*	*(No tariff energy)			0x2F20 ~ 0x2F28 ... 0x2FB0 ~ 0x2FB8	XXXXXXXX	varh			R		Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L2 phase
				*	*			0x2FC0	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 12 Month)	L2 phase
				*				0x2FC2	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 12 Month)	L2 phase
				*				0x2FC4	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 12 Month)	L2 phase
				*				0x2FC6	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 12 Month)	L2 phase
				*				0x2FC8	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 12 Month)	L2 phase
				*	*			0x3000	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Current)	L2 phase
				*				0x3002	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T1 (Current)	L2 phase
				*				0x3004	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T2 (Current)	L2 phase
				*				0x3006	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T3(Current)	L2 phase
				*				0x3008	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T4 (Current)	L2 phase
				*	*			0x3010	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 1 Month)	L2 phase
				*				0x3012	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 1 Month)	L2 phase
				*				0x3014	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 1 Month)	L2 phase
				*				0x3016	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 1 Month)	L2 phase

ModBus Parameters Table for Contax D

Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
CONTAX D-6593-BUS-R V3x1: firmware V2.601
CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
				*				0x3018	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 1 Month)	L2 phase
				*	*(No tariff energy)			0x3020 ~ 0x3028 ... 0x30B0 ~ 0x30B8	XXXXXXXX	varh			R		Import Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L2 phase
				*	*			0x30C0	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 12 Month)	L2 phase
				*				0x30C2	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 12 Month)	L2 phase
				*				0x30C4	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 12 Month)	L2 phase
				*				0x30C6	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 12 Month)	L2 phase
				*				0x30C8	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 12 Month)	L2 phase
				*	*			0x3100	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Current)	L2 phase
				*				0x3102	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T1 (Current)	L2 phase
				*				0x3104	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T2 (Current)	L2 phase
				*				0x3106	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T3 (Current)	L2 phase
				*				0x3108	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T4 (Current)	L2 phase
				*	*			0x3110	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 1 Month)	L2 phase
				*				0x3112	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 1 Month)	L2 phase
				*				0x3114	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 1 Month)	L2 phase
				*				0x3116	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 1 Month)	L2 phase
				*				0x3118	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 1 Month)	L2 phase
				*	*(No tariff energy)			0x3120 ~ 0x3128 ... 0x31B0 ~ 0x31B8	XXXXXXXX	varh			R		Export Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L2 phase
				*	*			0x31C0	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 12 Month)	L2 phase
				*				0x31C2	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 12 Month)	L2 phase
				*				0x31C4	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 12 Month)	L2 phase
				*				0x31C6	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 12 Month)	L2 phase
				*				0x31C8	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 12 Month)	L2 phase
				*	*			0x3200	XXXXXXXX	Wh	0x00000000 ~ 0x3B9AC9FF(0Wh ~999,999,999Wh)	* Current rate (in MWh format)	R	2	Total Active Energy (Current)	L3 phase
				*				0x3202	XXXXXXXX	Wh			R	2	Total Active Energy Of T1 (Current)	L3 phase
				*				0x3204	XXXXXXXX	Wh			R	2	Total Active Energy Of T2 (Current)	L3 phase
				*				0x3206	XXXXXXXX	Wh			R	2	Total Active Energy Of T3(Current)	L3 phase
				*				0x3208	XXXXXXXX	Wh			R	2	Total Active Energy Of T4 (Current)	L3 phase
				*	*			0x3210	XXXXXXXX	Wh			R	2	Total Active Energy (Last 1 Month)	L3 phase
				*				0x3212	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 1 Month)	L3 phase
				*				0x3214	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 1 Month)	L3 phase
				*				0x3216	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 1 Month)	L3 phase
				*				0x3218	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 1 Month)	L3 phase
				*	*(No tariff energy)			0x3220 ~ 0x3228 ... 0x32B0 ~ 0x32B8	XXXXXXXX	Wh			R		Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L3 phase
				*	*			0x32C0	XXXXXXXX	Wh			R	2	Total Active Energy (Last 12 Month)	L3 phase
				*				0x32C2	XXXXXXXX	Wh			R	2	Active Energy Of T1 (Last 12 Month)	L3 phase
				*				0x32C4	XXXXXXXX	Wh			R	2	Active Energy Of T2 (Last 12 Month)	L3 phase
				*				0x32C6	XXXXXXXX	Wh			R	2	Active Energy Of T3 (Last 12 Month)	L3 phase
				*				0x32C8	XXXXXXXX	Wh			R	2	Active Energy Of T4 (Last 12 Month)	L3 phase
				*	*			0x3300	XXXXXXXX	Wh			R	2	Total Import Active Energy (Current)	L3 phase
				*				0x3302	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T1 (Current)	L3 phase
				*				0x3304	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T2 (Current)	L3 phase
				*				0x3306	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T3(Current)	L3 phase
				*				0x3308	XXXXXXXX	Wh			R	2	Total Import Active Energy Of T4 (Current)	L3 phase
				*	*			0x3310	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 1 Month)	L3 phase
				*				0x3312	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 1 Month)	L3 phase

ModBus Parameters Table for Contax D
Version: 3.7 Draft
Date: March,26 2015
Dep.: R & D
CONTAX D-10093/6593-R/6041-BUS: firmware V3.50x
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CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
				*				0x3314	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 1 Month)	L3 phase
				*				0x3316	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 1 Month)	L3 phase
				*				0x3318	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 1 Month)	L3 phase
				*	*(No tariff energy)			0x3320 ~ 0x3328 ... 0x33B0 ~ 0x33B8	XXXXXXXX	Wh			R		Import Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L3 phase
				*	*			0x33C0	XXXXXXXX	Wh			R	2	Total Import Active Energy (Last 12 Month)	L3 phase
				*				0x33C2	XXXXXXXX	Wh			R	2	Import Active Energy Of T1 (Last 12 Month)	L3 phase
				*				0x33C4	XXXXXXXX	Wh			R	2	Import Active Energy Of T2 (Last 12 Month)	L3 phase
				*				0x33C6	XXXXXXXX	Wh			R	2	Import Active Energy Of T3 (Last 12 Month)	L3 phase
				*				0x33C8	XXXXXXXX	Wh			R	2	Import Active Energy Of T4 (Last 12 Month)	L3 phase
				*	*			0x3400	XXXXXXXX	Wh			R	2	Total Export Active Energy (Current)	L3 phase
				*				0x3402	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T1 (Current)	L3 phase
				*				0x3404	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T2 (Current)	L3 phase
				*				0x3406	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T3(Current)	L3 phase
				*				0x3408	XXXXXXXX	Wh			R	2	Total Export Active Energy Of T4 (Current)	L3 phase
				*	*			0x3410	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 1 Month)	L3 phase
				*				0x3412	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 1 Month)	L3 phase
				*				0x3414	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 1 Month)	L3 phase
				*				0x3416	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 1 Month)	L3 phase
				*				0x3418	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 1 Month)	L3 phase
				*	*(No tariff energy)			0x3420 ~ 0x3428 ... 0x34B0 ~ 0x34B8	XXXXXXXX	Wh			R		Export Active Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L3 phase
				*	*			0x34C0	XXXXXXXX	Wh			R	2	Total Export Active Energy (Last 12 Month)	L3 phase
				*				0x34C2	XXXXXXXX	Wh			R	2	Export Active Energy Of T1 (Last 12 Month)	L3 phase
				*				0x34C4	XXXXXXXX	Wh			R	2	Export Active Energy Of T2 (Last 12 Month)	L3 phase
				*				0x34C6	XXXXXXXX	Wh			R	2	Export Active Energy Of T3 (Last 12 Month)	L3 phase
				*				0x34C8	XXXXXXXX	Wh			R	2	Export Active Energy Of T4 (Last 12 Month)	L3 phase
				*	*			0x3500	XXXXXXXX	varh	0x00000000 ~ 0x3B9AC9FF(0varh ~999,999,999varh)	* Current rate (in Mvarh format)	R	2	Total Reactive Energy (Current)	L3 phase
				*				0x3502	XXXXXXXX	varh			R	2	Total Reactive Energy Of T1 (Current)	L3 phase
				*				0x3504	XXXXXXXX	varh			R	2	Total Reactive Energy Of T2 (Current)	L3 phase
				*				0x3506	XXXXXXXX	varh			R	2	Total Reactive Energy Of T3(Current)	L3 phase
				*				0x3508	XXXXXXXX	varh			R	2	Total Reactive Energy Of T4 (Current)	L3 phase
				*	*			0x3510	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 1 Month)	L3 phase
				*				0x3512	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 1 Month)	L3 phase
				*				0x3514	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 1 Month)	L3 phase
				*				0x3516	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 1 Month)	L3 phase
				*				0x3518	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 1 Month)	L3 phase
				*	*(No tariff energy)			0x3520 ~ 0x3528 ... 0x35B0 ~ 0x35B8	XXXXXXXX	varh			R		Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L3 phase
				*	*			0x35C0	XXXXXXXX	varh			R	2	Total Reactive Energy (Last 12 Month)	L3 phase
				*				0x35C2	XXXXXXXX	varh			R	2	Reactive Energy Of T1 (Last 12 Month)	L3 phase
				*				0x35C4	XXXXXXXX	varh			R	2	Reactive Energy Of T2 (Last 12 Month)	L3 phase
				*				0x35C6	XXXXXXXX	varh			R	2	Reactive Energy Of T3 (Last 12 Month)	L3 phase
				*				0x35C8	XXXXXXXX	varh			R	2	Reactive Energy Of T4 (Last 12 Month)	L3 phase
				*	*			0x3600	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Current)	L3 phase
				*				0x3602	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T1 (Current)	L3 phase
				*				0x3604	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T2 (Current)	L3 phase
				*				0x3606	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T3(Current)	L3 phase
				*				0x3608	XXXXXXXX	varh			R	2	Total Import Reactive Energy Of T4 (Current)	L3 phase
				*	*			0x3610	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 1 Month)	L3 phase
				*				0x3612	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 1 Month)	L3 phase

ModBus Parameters Table for Contax D

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CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
				*				0x3614	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 1 Month)	L3 phase
				*				0x3616	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 1 Month)	L3 phase
				*				0x3618	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 1 Month)	L3 phase
				*	*(No tariff energy)			0x3620 ~ 0x3628 ... 0x36B0 ~ 0x36B8	XXXXXXXX	varh			R		Import Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L3 phase
				*	*			0x36C0	XXXXXXXX	varh			R	2	Total Import Reactive Energy (Last 12 Month)	L3 phase
				*				0x36C2	XXXXXXXX	varh			R	2	Import Reactive Energy Of T1 (Last 12 Month)	L3 phase
				*				0x36C4	XXXXXXXX	varh			R	2	Import Reactive Energy Of T2 (Last 12 Month)	L3 phase
				*				0x36C6	XXXXXXXX	varh			R	2	Import Reactive Energy Of T3 (Last 12 Month)	L3 phase
				*				0x36C8	XXXXXXXX	varh			R	2	Import Reactive Energy Of T4 (Last 12 Month)	L3 phase
				*	*			0x3700	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Current)	L3 phase
				*				0x3702	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T1 (Current)	L3 phase
				*				0x3704	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T2 (Current)	L3 phase
				*				0x3706	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T3 (Current)	L3 phase
				*				0x3708	XXXXXXXX	varh			R	2	Total Export Reactive Energy Of T4 (Current)	L3 phase
				*	*			0x3710	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 1 Month)	L3 phase
				*				0x3712	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 1 Month)	L3 phase
				*				0x3714	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 1 Month)	L3 phase
				*				0x3716	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 1 Month)	L3 phase
				*				0x3718	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 1 Month)	L3 phase
				*	*(No tariff energy)			0x3720 ~ 0x3728 ... 0x37B0 ~ 0x37B8	XXXXXXXX	varh			R		Export Reactive Energy Of Total, T1, T2, T3, T4. (Last 2-11 month)	L3 phase
				*	*			0x37C0	XXXXXXXX	varh			R	2	Total Export Reactive Energy (Last 12 Month)	L3 phase
				*				0x37C2	XXXXXXXX	varh			R	2	Export Reactive Energy Of T1 (Last 12 Month)	L3 phase
				*				0x37C4	XXXXXXXX	varh			R	2	Export Reactive Energy Of T2 (Last 12 Month)	L3 phase
				*				0x37C6	XXXXXXXX	varh			R	2	Export Reactive Energy Of T3 (Last 12 Month)	L3 phase
				*				0x37C8	XXXXXXXX	varh			R	2	Export Reactive Energy Of T4 (Last 12 Month)	L3 phase
Load Curve *3)Explanation																
*	*	*	*	*		*	*	0x4000	XXXX	Minute	0x0005, 0x000F, 0x001E or 0x003C		R/W	1	Cycle for Load Curve(5/15/30/60 minutes)	User or Factory password mode
*	*	*	*	*		*	*	0x4001	XXXX		0x0001 ~ 0x2328		R/W	1	The Maximum registers for Load Curve(1-9000)	Reset curve data after write this item.
*	*	*	*	*		*	*	0x4002	XXXX		0x0000 ~ 0x2328		R/C	1	The number of times record of Load Curve	Reset curve data after clear this item.
*	*	*	*	*		*	*	0x4003	YY.MM.DD.hh.mm.ss		YYMMDDhhmmss(HEX)		R	3	The last load curve register time	
*	*	*	*					0x4006	XXXX	0.01kWh	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kWh)		R	1	The 1st import active energy load curve data(kWh).	
*	*	*	*					0x4007	XXXX	0.01kWh			R	1	The 2nd import active energy load curve data(kWh).	
*	*	*	*					0x4008	XXXX	0.01kWh			R	1	The 3rd import active energy load curve data(kWh).	
*	*	*	*					0x4009	XXXX	0.01kWh			R	1	The 4th import active energy load curve data(kWh).	
*	*	*	*					……	XXXX	0.01kWh			R	1	……	
*	*	*	*					0x632D	XXXX	0.01kWh			R	1	The 9000th import active energy load curve data(kWh).	
						*	*	0x4006	XXXX	1Wh	0x0000 ~ 0xFFFF(0W ~ 65535Wh)		R	1	The 1st import active energy load curve data(kWh).	
						*	*	0x4007	XXXX	1Wh			R	1	The 2nd import active energy load curve data(kWh).	
						*	*	0x4008	XXXX	1Wh			R	1	The 3rd import active energy load curve data(kWh).	
						*	*	0x4009	XXXX	1Wh			R	1	The 4th import active energy load curve data(kWh).	
						*	*	……	XXXX	1Wh			R	1	……	
						*	*	0x632D	XXXX	1Wh			R	1	The 9000th import active energy load curve data(kWh).	
				*				0x4006	XXXX	0.01kWh	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kWh)		R	1	Phase L1-The 1st import active energy load curve data(kWh).	
				*				0x4007	XXXX	0.01kWh			R	1	Phase L1-The 2nd import active energy load curve data(kWh).	
				*				0x4008	XXXX	0.01kWh			R	1	Phase L1-The 3rd import active energy load curve data(kWh).	
				*				0x4009	XXXX	0.01kWh			R	1	Phase L1-The 4th import active energy load curve data(kWh).	
				*				……	XXXX	0.01kWh			R	1	……	
				*				0x632D	XXXX	0.01kWh			R	1	Phase L1-The 9000th import active energy load curve data(kWh).	
*	*	*	*					0x632E	XXXX	0.01kWh	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kWh)		R	1	The 1st export active energy load curve data(kWh).	
*	*	*	*					0x632F	XXXX	0.01kWh			R	1	The 2nd export active energy load curve data(kWh).	
*	*	*	*					0x6330	XXXX	0.01kWh			R	1	The 3rd export active energy load curve data(kWh).	

ModBus Parameters Table for Contax D

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CONTAX D-6593-BUS-R V3x1: firmware V3.602 Prepayment version
CONTAX D-0693-BUS: firmware V3.500
CONTAX D-0643-BUS: firmware V3.500
CONTAX D-3221 Bluetooth: firmware V1.140

6041	3221	10093	6593-R	6593-R V3x1	6593-R V3x1 Prepayment	0693	0643	Address	Data format	Unit	Min ~ Max	Display in LCD	R/W	Data length (word)	Comment	Remark
*	*	*	*					0x6331	XXXX	0.01kWh	[illegible]	/	R	1	The 4th export active energy load curve data(kWh).	
*	*	*	*					……	XXXX	0.01kWh			R	1	……	
*	*	*	*					0x8655	XXXX	0.01kWh			R	1	The 9000th export active energy load curve data(kWh).	
						*	*	0x632E	XXXX	1Wh	0x0000 ~ 0xFFFF(0W ~ 65535Wh)		R	1	The 1st export active energy load curve data(kWh).	
						*	*	0x632F	XXXX	1Wh			R	1	The 2nd export active energy load curve data(kWh).	
						*	*	0x6330	XXXX	1Wh			R	1	The 3rd export active energy load curve data(kWh).	
						*	*	0x6331	XXXX	1Wh			R	1	The 4th export active energy load curve data(kWh).	
						*	*	……	XXXX	1Wh			R	1	……	
						*	*	0x8655	XXXX	1Wh			R	1	The 9000th export active energy load curve data(kWh).	
				*				0x632E	XXXX	0.01kWh	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kWh)		R	1	Phase L2-The 1st import active energy load curve data(kWh).	
				*				0x632F	XXXX	0.01kWh			R	1	Phase L2-The 2nd import active energy load curve data(kWh).	
				*				0x6330	XXXX	0.01kWh			R	1	Phase L2-The 3rd import active energy load curve data(kWh).	
				*				0x6331	XXXX	0.01kWh			R	1	Phase L2-The 4th import active energy load curve data(kWh).	
				*				……	XXXX	0.01kWh			R	1	……	
				*				0x8655	XXXX	0.01kWh			R	1	Phase L2-The 9000th import active energy load curve data(kWh).	
*	*	*	*					0x8656	XXXX	0.01kvarh	0x0000 ~ 0xFFFF(0.00kvarh ~ 655.35kvarh)		R	1	The 1st import reactive energy load curve data(kvarh).	
*	*	*	*					0x8657	XXXX	0.01kvarh			R	1	The 2nd import reactive energy load curve data(kvarh).	
*	*	*	*					0x8658	XXXX	0.01kvarh			R	1	The 3rd import reactive energy load curve data(kvarh).	
*	*	*	*					0x8659	XXXX	0.01kvarh			R	1	The 4th import reactive energy load curve data(kvarh).	
*	*	*	*					……	XXXX	0.01kvarh			R	1	……	
*	*	*	*					0xA97D	XXXX	0.01kvarh			R	1	The 9000th import reactive energy load curve data(kvarh).	
						*	*	0x8656	XXXX	1varh	0x0000 ~ 0xFFFF(0varh ~ 65535varh)		R	1	The 1st import reactive energy load curve data(kvarh).	
						*	*	0x8657	XXXX	1varh			R	1	The 2nd import reactive energy load curve data(kvarh).	
						*	*	0x8658	XXXX	1varh			R	1	The 3rd import reactive energy load curve data(kvarh).	
						*	*	0x8659	XXXX	1varh			R	1	The 4th import reactive energy load curve data(kvarh).	
						*	*	……	XXXX	1varh			R	1	……	
						*	*	0xA97D	XXXX	1varh			R	1	The 9000th import reactive energy load curve data(kvarh).	
				*				0x8656	XXXX	0.01kWh	0x0000 ~ 0xFFFF(0.00kW ~ 655.35kWh)		R	1	Phase L3-The 1st import active energy load curve data(kWh).	
				*				0x8657	XXXX	0.01kWh			R	1	Phase L3-The 2nd import active energy load curve data(kWh).	
				*				0x8658	XXXX	0.01kWh			R	1	Phase L3-The 3rd import active energy load curve data(kWh).	
				*				0x8659	XXXX	0.01kWh			R	1	Phase L3-The 4th import active energy load curve data(kWh).	
				*				……	XXXX	0.01kWh			R	1	……	
				*				0xA97D	XXXX	0.01kWh			R	1	Phase L3-The 9000th import active energy load curve data(kWh).	
*	*	*	*					0xA97E	XXXX	0.01kvarh	0x0000 ~ 0xFFFF(0.00kvarh ~ 655.35kvarh)		R	1	The 1st export reactive energy load curve data(kvarh).	
*	*	*	*					0xA97F	XXXX	0.01kvarh			R	1	The 2nd export reactive energy load curve data(kvarh).	
*	*	*	*					0xA980	XXXX	0.01kvarh			R	1	The 3rd export reactive energy load curve data(kvarh).	
*	*	*	*					0xA981	XXXX	0.01kvarh			R	1	The 4th export reactive energy load curve data(kvarh).	
*	*	*	*					……	XXXX	0.01kvarh			R	1	……	
*	*	*	*					0xCCA5	XXXX	0.01kvarh			R	1	The 9000th export reactive energy load curve data(kvarh).	

*1)

0x0217 Word of Meter Status

	CONTAX D-6041-BUS	CONTAX D-10093/0643-BUS	CONTAX D-6593-BUS-R	CONTAX D-6593-BUS-R V3x1
bit15	Reserved	Inverse phase sequence	Inverse phase sequence	L1 Latch relay status
bit14	Reserved	C phase Lost	C phase Lost	L3 phase Lost
bit13	Reserved	B phase Lost	B phase Lost	L2 phase Lost
bit12	Phase voltage<176V	A phase Lost	A phase Lost	L1 phase Lost
bit11	Reserved	C phase work in Export Active	C phase work in Export Active	L3 phase work in Export Active
bit10	Reserved	B phase work in Export Active	B phase work in Export Active	L2 phase work in Export Active
bit9	Reserved	A phase work in Export Active	A phase work in Export Active	L1 phase work in Export Active
bit8	Meter work in Export Active	Meter work in Total Export Active	Meter work in Total Export Active	Meter work in Total Export Active
bit7	Reserved	EEPROM error	EEPROM error	EEPROM error
bit6	Reserved	Phase sequence error	Phase sequence error	L3 Latch relay status
bit5	Reserved	Calibration data error	Calibration data error	Calibration data error
bit4	Reserved	Reserved	Latch relay status	L2 Latch relay status
bit3	Reserved	C phase work in Export Reactive	C phase work in Export Reactive	L3 phase work in Export Reactive
bit2	Reserved	B phase work in Export Reactive	B phase work in Export Reactive	L2 phase work in Export Reactive
bit1	Reserved	A phase work in Export Reactive	A phase work in Export Reactive	L1 phase work in Export Reactive
bit0	Meter work in Export Reactive	Meter work in Total Export Reactive	Meter work in Total Export Reactive	Meter work in Total Export Reactive

*2)

0x0220 Time & Date (YY.MM.DD.hh.mm.ss)

Time&Date has 3 words, that means :

1 YYMM is in register 0x0220
2 DDhh is in register 0x0221(following 0x0220)
3 mmss is in register 0x0222

How to Read?

Txd(PC) 01 03 02 20 00 03 05 B9

*3) Load Curve

1. Read the "0x4002 The number of times record of Load Curve" and "0x4003 The last load curve register time"
2. According to the "0x4002" and "0x4003" , we can know how many data of Load Curve could be read. Then display the diagram in PC.
3. Take attention for this: The meter only support Read/Write 25 pcs register once a time. So if the load curve is more than 25 pcs please read these load curves dividually.

Because we only has 1 stamp--the last one for load curve in meter, so we have to calculate the others stamp in PC.
In this way, we can save many registers for others used, and save the commnicate time when PC ask to load curve.

Modify