5 Appendix Registry matrix

Register Address	Contents	Read/Write	Datablocks	HEX response	PRO1-S IR	PRO1-2T IR	PRO1-Mb Mbus	PRO1-Mb IR	PRO1-Mod Modbus	PRO1-Mod IR	Remarks
1000	Serial number	Read	04	signed	R/W	R/W	R/W	R/W	R/W	R/W	
1010	Meter code	Read	02	signed	R	R	R	R	R	R	
1018	Meter ID (Mbus/Modbus)	Read/write	01	signed	n/a	n/a	R/W	R/W	R/W	R/W	001~247 (001 default: 000 broadcast)
1020	Baud Rate	Read/write	01	signed	n/a	n/a	R/W	R/W	R/W	R/W	9600 (default), 4800, 2400, 1200, 600, 300
1050	Protocol Version	Read	02	signed	R	R	R	R	R	R	
1054	Software Version	Read	02	signed	R	R	R	R	R	R	
1058	Hardware Version	Read	02	signed	R	R	R	R	R	R	
1060	Meter Amps	Read	01	signed	R	R	R	R	R	R	
1066	S0 output rate	Read/write	02	Float - Big Endian (ABCD)	R/W	R/W	R/W	R/W	R/W	R/W	10000, 2000, 1000 (default), 100, 10, 1, 0.1, 0.01
107A	Combined Code	Read/write	01	signed	R/W	R/W	R/W	R/W	R/W	R/W	01, 04, 05 (default), 06, 09 and 10
1510	LCD cycle time	Read/write	01	signed	R/W	R/W	R/W	R/W	R/W	R/W	0~30 (seconds, 10 seconds default)
2000	Voltage	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
2020	Grid Frequency	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
2060	Current	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
2080	Total Active Power	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
20A0	Total reactive power	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
20C0	Total Apparent Power	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
20E0	Power Factor	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
2200	Tariff	Read/write	01	signed	n/a	n/a	R/W	R/W	R/W	R/W	01 (t1 saved), 02 (t2 saved), 11 (t1 not saved), 12 (t2 not saved)
3000	Total Active Energy	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
3100	T1 Total Active Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3200	T2 Total Active Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3020	Forward Active Energy	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
3120	T1 Forward Active Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3220	T2 Forward Active Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3040	Reverse Active Energy	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
3140	T1 Reverse Active Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3240	T2 Reverse Active Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3060	Total Reactive Energy	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
3160	T1 Total Reactive Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3260	T2 Total Reactive Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3080	Forward Reactive Energy	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
3180	T1 Forward Reactive Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
3280	T2 Forward Reactive Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
30A0	Reverse Reactive Energy	Read	02	Float - Big Endian (ABCD)	R	R	R	R	R	R	
31A0	T1 Reverse Reactive Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	
32A0	T2 Reverse Reactive Energy	Read	02	Float - Big Endian (ABCD)	n/a	R	R	R	R	R	