inepro®

Decision matrix

PRO energy meters



5 YEAR WARRANTY

Current & New PRO-line	PRO1				New PRO1			PRO2				New PRO2			PRO380			PRO3		
	0251	0252	0253	0254	1100	1101	1102	0284	0285	0286	0287	1200	1201	1202	0255	0256	0257	1300	1301	1302
	PRO1-S	PRO1-2T	PRO1-Mb	PRO1-Mod	PRO1-S	PRO1-Mod	PRO1-Mod-Ba	PRO2-S	PRO2-2T	PRO2-Mb	PRO2-Mod	PRO2-S	PRO2-Mod	PRO2-Mod-Ba	PRO380-S	PRO380-Mb	PRO380-Mod	PRO3-S	PRO3-Mod	PRO3-Mod-Ba
DIN Size	1 DIN	1 DIN	1 DIN	1 DIN	1 DIN	1 DIN	1 DIN	2 DIN	2 DIN	2 DIN	2 DIN	2 DIN	2 DIN	2 DIN	4 DIN	4 DIN	4 DIN	3 DIN	3 DIN	3 DIN
Phase	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 1 PH	Direct 3 PH	Direct 3 PH	Direct 3 PH	Direct 3 PH	Direct 3 PH	Direct 3 PH
Terminal & Routing	Line & Neutral: 8mm², Down-Top	Line & Neutral: 8mm², Down-Top	Line & Neutral: 8mm², Down-Top	Line & Neutral: 8mm², Down-Top	Line & Neutral: 10mm², Top-Down	Line & Neutral: 10mm², Top-Down	Line & Neutral: 10mm², Top-Down	Line & Neutral: 25mm², Down-Top	Line & Neutral: 25mm², Down-Top	Line & Neutral: 25mm², Down-Top	Line & Neutral: 25mm², Down-Top	Line & Neutral: 25mm², Top-Down	Line & Neutral: 25mm², Top-Down	Line & Neutral: 25mm², Top-Down	Line & Neutral: 25mm², Down-Top	Line & Neutral: 25mm², Down-Top	Line & Neutral: 25mm², Down-Top	Line: 25mm², Neutral: 1,5mm², Top-Down	Line: 25mm², Neutral: 1,5mm², Top-Down	Line: 25mm², Neutral: 1,5mm², Top-Down
Max Current	45A	45A	45A	45A	45A	45A	45A	100A	100A	100A	100A	100A	100A	100A	100A	100A	100A	100A	100A	100A
Current Range	0,20-5(45)A	0,20-5(45)A	0,20-5(45)A	0,20-5(45)A	0,15-5(45)A	0,15-5(45)A	0,15-5(45)A	0,20-5(100)A	0,20-5(100)A	0,20-5(100)A	0,20-5(100)A	0,15-5(100)A	0,15-5(100)A	0,15-5(100)A	0,20-5(100)A	0,20-5(100)A	0,20-5(100)A	0,15-5(100)A	0,15-5(100)A	0,15-5(100)A
Voltage Range	230V ±20%	230V ±20%	230V ±20%	230V ±20%	230V ±20% 120V ±20%	230V ±20% 120V ±20%	230V ±20% 120V ±20%	230V ±20%	230V ±20%	230V ±20%	230V ±20%	230V ±20% 120V ±20%	230V ±20% 120V ±20%	230V ±20% 120V ±20%	3*230/400V ±20%	3*230/400V ±20%	3*230/400V ±20%	3*230/400V ±20% 3*120/208V ±20%	3*230/400V ±20% 3*120/208V ±20%	3*230/400V ±20% 3*120/208V ±20%
Accuracy Class Active	MID Class B (±1%)	MID Class B (±1%)	MID Class B (±1%)	MID Class B (±1%)	New MID Class C (±0,5%)	New MID Class C (±0,5%)	New MID Class C (±0,5%)	MID Class B (±1%)	MID Class B (±1%)	MID Class B (±1%)	MID Class B (±1%)	New MID Class C (±0,5%)	New MID Class C (±0,5%)	New MID Class C (±0,5%)	MID Class B (±1%)	MID Class B (±1%)	MID Class B (±1%)	New MID Class C (±0,5%)	New MID Class C (±0,5%)	New MID Class C (±0,5%)
Accuracy Class Reactive	Class A (±2%)	Class A (±2%)	Class A (±2%)	Class A (±2%)	Class B (±1%)	Class B (±1%)	Class B (±1%)	Class A (±2%)	Class A (±2%)	Class A (±2%)	Class A (±2%)	Class B (±1%)	Class B (±1%)	Class B (±1%)	Class A (±2%)	Class A (±2%)	Class A (±2%)	Class B (±1%)	Class B (±1%)	Class B (±1%)
Refresh Rate MCU	1000 ms	1000 ms	1000 ms	1000 ms	75 ms	75 ms	75 ms	1000 ms	1000 ms	1000 ms	1000 ms	75 ms	75 ms	75 ms	1000 ms	1000 ms	1000 ms	75 ms	75 ms	75 ms
Display Type/size	LCD 4+2 Blue backlight	LCD 4+2 Blue backlight	LCD 4+2 Blue backlight	LCD 4+2 Blue backlight	LCD 6+2 White backlight	LCD 6+2 White backlight	LCD 6+2 White backlight	LCD 5+2 Blue backlight	LCD 5+2 Blue backlight	LCD 5+2 Blue backlight	LCD 5+2 Blue backlight	LCD 6+2 White backlight	LCD 6+2 White backlight	LCD 6+2 White backlight	LCD 6+2 Blue backlight	LCD 6+2 Blue backlight	LCD 6+2 Blue backlight	LCD 5+3 White backlight	LCD 5+3 White backlight	LCD 5+3 White backlight
Button Type	1x Capacitive	1x Capacitive	1x Capacitive	1x Capacitive	1x Capacitive	1x Capacitive	1x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	2x Capacitive	3x Capacitive	3x Capacitive	3x Capacitive
IR	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	No	No	No
App	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Pulse	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	1xS0 (1000 imp/kWh)	No	No	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	1xS0 (1000 imp/kWh)	No	No	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	2xS0 (0,01 to 10.000 imp/kWh)	1xS0 (1000 imp/kWh)	No	No
Modbus & Baudrate	No	No	No	1200/2400/4800/9600	No	9600/19200/38400/57600/115200	9600/19200/38400/57600/115200	No	No	No	1200/2400/4800/9600	No	9600/19200/38400/57600/115200	9600/19200/38400/57600/115200	No	No	1200/2400/4800/9600	No	9600/19200/38400/57600/115200	9600/19200/38400/57600/115200
M-Bus	No	No	300/600/1200/2400/4800/9600	No	No	No	No	No	No	300/600/1200/2400/4800/9600	No	No	No	No	No	300/600/1200/2400/4800/9600	No	No	No	No	No
Tariff	No	DS 2T	DS 2T	DS 2T	No	DS 2T	DS 2T / RTC 4T	No	DS 2T	DS 2T	DS 2T	DS 2T	DS 2T	DS 2T / RTC 4T	No	DS 2T	DS 2T	No	DS 2T	DS 2T / RTC 4T
Power Quality	No	No	No	No	Full Quadrant & THD	Full Quadrant & THD	Full Quadrant & THD	No	No	No	No	Full Quadrant & THD	Full Quadrant & THD	Full Quadrant & THD	No	No	No	Full Quadrant & THD	Full Quadrant & THD	Full Quadrant & THD
Demand	No	No	No	No	Interval/slip	Interval/slip	Interval/slip	No	No	No	No	Interval/slip	Interval/slip	Interval/slip	No	No	No	Interval/slip	Interval/slip	Interval/slip
Number of Reading Registers	N.A.	N.A.	N.A.	47	N.A.	80	122	N.A.	N.A.	N.A.	47	N.A.	80	122	N.A.	N.A.	85	N.A.	126	168