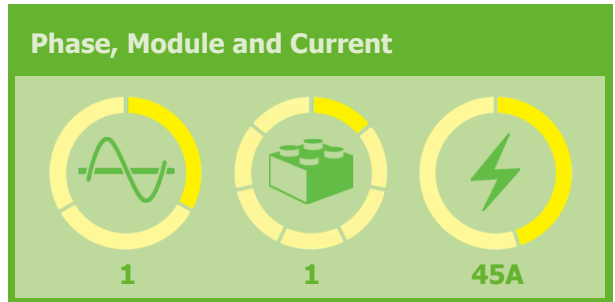


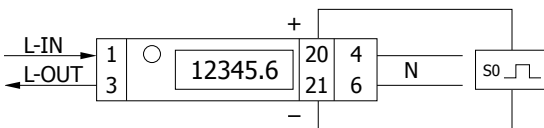
PRO1 - MID

The PRO1D is a single phase kWh metertype with an LCD or mechanical display in a 1 module (18mm) casing. It has an exceptional combination of a high accuracy class (1/B), broad temperature range of -25°C - +45°C and 45A I_{max}.

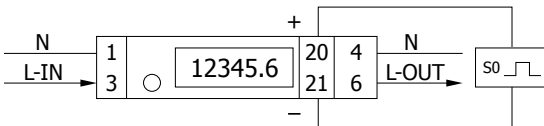
The meter is available in an U and S connection version. These features, the MID approval and a very low starting current make this meter type exceptionally suited for photovoltaic energy systems and general use.



U-connection wiring diagram:



S-connection wiring diagram:



“Exceptionally suited for photovoltaic energy systems.”

Specifications

PRO1

Technical specifications

- Height with protection cover : 120mm
- Height without protection cover : 91mm
- Width : 18mm
- Depth : 63,5mm
- Mounting : DIN rail
- Active energy : $\pm 1\%$
- Starting current : $0,05I_b$
- Impulse SO duration : 80ms
- Operating humidity : $\leq 75\%$
- Storage humidity : $\leq 95\%$
- Operating temperature : $-25^\circ \sim +55^\circ\text{C}$
- Storage temperature : $-30^\circ \sim +70^\circ\text{C}$
- Nominal Voltage (Un) : 230V AC
- Operational Voltage : 195~253V
- AC Voltage withstand for 1 min : 4KV
- Impulse voltage 1.2uS Waveform : 6KV
- Basic current (Ib) : 5A
- Max current (Imax) : 45A
- Operational current range : $0,4\%I_b \sim I_{max}$
- Over current withstand : $30I_{max}$ for 0.01s
- Operational frequency range : 45-60Hz
- Int. power consumption : $\leq 2\text{W/Phase} - \leq 10\text{VA/Phase}$
- Basic error : standard
- International standard : EN50470-3
- IP protection : 51
- Protective class : II
- Warranty : 60 months - Year 1-2 100%, Year 3 75%, Year 4 50%, Year 5 25%

Different models

Article number	MID	Phase	Mod.	Cur.	Com.	Display	Digits	Con. mode	SO	Back-light	Acc. Class	Con.	SO pulse output
0015 PRO1	Yes	1	1	45A	x	Mech.	5+1	direct	1	/	B	U	2000 ¹
0179 PRO1	Yes	1	1	45A	x	LCD	5+2/6+1	direct	1	Yes	B	U	2000 ¹
0172 PRO1	Yes	1	1	45A	x	LCD	5+2/6+1	direct	1	x	B	U	2000 ¹
0144 PRO1	x	1	1	45A	x	Mech.	5+1	direct	1	/	1	U	2000 ¹
0011 PRO1	x	1	1	45A	x	LCD	5+2/6+1	direct	1	Yes	1	U	2000 ¹
0105 PRO1	x	1	1	45A	x	LCD	5+2/6+1	direct	1	x	1	U	2000 ¹
0161 PRO1	x	1	1	45A	x	LCD	5+2/6+1	direct	1	Yes	1	S	2000 ¹
0180 PRO1	Yes	1	1	45A	x	LCD	5+2/6+1	direct	1	Yes	1	S	2000 ¹

¹ optional available with an impulse rate of 1000; please contact Inepro for corresponding article code