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Specializirano podjetje za prodajo merilne opreme
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1000 Ljubljana
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info@belmet.si

inepro®

Smart-PRO
Smart Energy Meters

5 YEAR FULL WARRANTY

KEMA

NMi RECOGNISED CE 174

suitable for: ISO 50001 ENERGY MANAGEMENT

Inepro Metering

Since 1992 Inepro has been a manufacturer of high quality electricity meters that are distributed under the brandname Inepro Metering. With an extensive range of top quality certified (MID, KEMA, NMI, SGS, CMi) electricity meters, Inepro Metering is one of the fastest growing metering manufacturers in the market today. Top quality, a strong business focus, expertise and very competitive pricing makes Inepro Metering stand out from its competition.

Inepro Metering is part of the Inepro Group, which develops and manufactures solutions to help its customers increase efficienty in order to be able to fully focus on fulfilling their ambitions.

Inepro cares about the future. Our management drives hybrid cars and our head office is designed using the latest green innovations. Partly thanks to earth heat and core concrete activation, an annual saving of 40% is made and the building is certified to be completely CO_2-neutral.

Smart Energy Meters

The PRO line smart energy meters have been established in 2009. With this line Inepro delivers high quality energy meters for the top segment of the metering market. The meters are MID approved, hence these can be used for invoicing purposes. The 10 models of single and three phase smart energy meters are equipped with optional, 2-tariff, Modbus or M-bus communication. A PRO Smart meter is the analyzer on a din rail.

The meter has a fresh and transparent Dutch design. The distinct red covers signify our passion to develop the best metering solutions. The newly developed meters show more than 30/60 variables (depending on the meter) in the LCD display. The meters can be easily read out via an infrared eye.

Inepro spend numerous years to develop these high quality smart energy meters with the highest functionality while maintaining the best price-quality ratio.

(Re-)active energy

Apparent power

1 or 4 module

Power factor

Infrared eye

Current

MID B&D

Amperage

Cosinus Phi

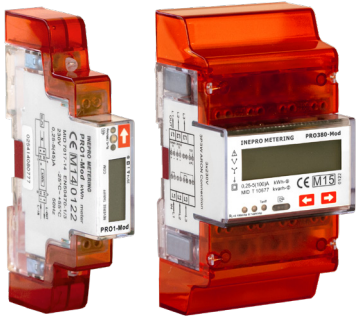
Tariff

Forward+Reverse

Reverse reactive

M-bus or Modbus

S0 programmable
Output rate



PRO1 - MID B&D

The PRO1 series is a range of 1 module, single phase smart energy meters consisting of 4 different types, each with their specific characteristics.

The meters have an exceptional combination of a high accuracy class (1/B) and a broad temperature range of -25°C to +55°C. Another unique feature is the Imax of 45A.

The PRO1 series is available as a standard version (with a selectable S0 output) and as a Modbus, M-bus or 2-tariff version. It can communicate and be programmed via an infrared input. The different communication modes have over 40 variables like kWh, active and reactive energy, forward and reverse energy as well as Cos phi.

The PRO1 series is equipped with a resettable day counter and the total energy usage can be calculated via 5 different modes.

Article number	MID	Phase	Mod.	Cur.	Com.	Display	Digits	Con. mode	S0	Back-light	Acc. Class	Tariff	SO pulse output
0251 PRO1-S	Yes	1	1	45A	x	LCD	4+2	direct	1	Yes	B	x	Selectable[1]
0252 PRO1-2T	Yes	1	1	45A	x	LCD	4+2	direct	1	Yes	B	2	Selectable[1]
0253 PRO1-Mb	Yes	1	1	45A	M-bus	LCD	4+2	direct	1	Yes	B	2	Selectable[1]
0254 PRO1-Mod	Yes	1	1	45A	Modbus	LCD	4+2	direct	1	Yes	B	2	Selectable[1]
0265 PRO1-S	x	1	1	45A	x	LCD	4+2	direct	1	Yes	B	x	Selectable[1]
0266 PRO1-2T	x	1	1	45A	x	LCD	4+2	direct	1	Yes	B	2	Selectable[1]
0267 PRO1-Mb	x	1	1	45A	M-bus	LCD	4+2	direct	1	Yes	B	2	Selectable[1]
0268 PRO1-Mod	x	1	1	45A	Modbus	LCD	4+2	direct	1	Yes	B	2	Selectable[1]

[1] selectable options: 10.000-2.000-1.000-100-10-1-0.1-0.01

Phase, Module and Current

1

1

45A

PRO2 - MID B&D

The PRO2 series is a range of 2 module, single phase smart energy meters consisting of 4 different types, each with their specific characteristics.

The meters have an exceptional combination of a high accuracy class (1/B) and a broad temperature range of -25°C to +55°C. Another unique feature is the Imax of 100 A.

The PRO2 series is available as a standard version (with a selectable S0 output) and as a Modbus, M-bus or 2-tariff version. It can communicate and be programmed via an infrared input. The different communication modes have over 40 variables like kWh, active and reactive energy, forward and reverse energy as well as Cos phi.

The PRO2 series is equipped with a resettable day counter and the total energy usage can be calculated via 5 different modes.

Article number	MID	Phase	Mod.	Cur.	Com.	Display	Digits	Con. mode	S0	Back-light	Acc. Class	Tariff	SO pulse output
0284 PRO2-S	Yes	1	2	100A	x	LCD	5+2	direct	2	Yes	B	x	Selectable[1]
0285 PRO2-2T	Yes	1	2	100A	x	LCD	5+2	direct	2	Yes	B	2	Selectable[1]
0286 PRO2-Mb	Yes	1	2	100A	M-bus	LCD	5+2	direct	2	Yes	B	2	Selectable[1]
0287 PRO2-Mod	Yes	1	2	100A	Modbus	LCD	5+2	direct	2	Yes	B	2	Selectable[1]

[1] selectable options: 10.000-2.000-1.000-100-10-1-0.1-0.01

Phase, Module and Current

1

2

100A

PRO380 - MID B&D

The PRO380 series is a range of 4 module, three phase smart energy meters consisting of 3 different types each with their specific characteristics.

The meters have an exceptional combination of a high accuracy class (1/B) and a broad temperature range of -40°C to +70°C.

The PRO380 series is available as a standard version (with a selectable S0 output) and as a Modbus or M-bus version. It can communicate and be programmed via an infrared input. The different communication modes have over 60 variables like; kWh, active and reactive energy, forward and reverse energy as well as Cos phi.

The PRO380 series is equipped with a resettable day counter and the total energy usage can be calculated via 6 different modes.

Article number	MID	Phase	Mod.	Cur.	Com.	Display	Digits	Con. mode	S0	Back-light	Acc. Class	Tariff	SO pulse output
0255 PRO380-S	Yes	3	4	100A	x	LCD	6+2	direct	2	yes	B	2	Selectable[1]
0256 PRO380-Mb	Yes	3	4	100A	M-bus	LCD	6+2	direct	2	yes	B	2	Selectable[1]
0257 PRO380-Mod	Yes	3	4	100A	Modbus	LCD	6+2	direct	2	yes	B	2	Selectable[1]
0269 PRO380-S	x	3	4	100A	x	LCD	6+2	direct	2	yes	B	2	Selectable[1]
0270 PRO380-Mb	x	3	4	100A	M-bus	LCD	6+2	direct	2	yes	B	2	Selectable[1]
0271 PRO380-Mod	x	3	4	100A	Modbus	LCD	6+2	direct	2	yes	B	2	Selectable[1]

[1] selectable options: 10.000-2.000-1.000-100-10-1-0.1-0.01

Phase, Module and Current

3

4

100A

PRO380 - MID CT B&D

The PRO380 CT series is a range of 4 module, three phase CT smart energy meters consisting of 3 different types each with their specific characteristics.

The meters have an exceptional combination of a high accuracy class (1/B & 0,5/C) and a broad temperature range of -25°C to +70°C.

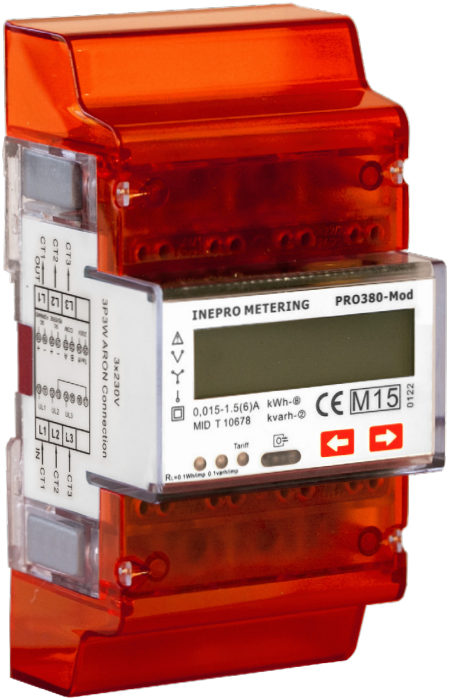
The PRO380 CT series is available as a standard version (with a selectable S0 output) and as a Modbus or M-bus version. It can communicate and be programmed via an infrared input. The different communication modes have over 60 variables like kWh, active and reactive energy, forward and reverse energy as well as Cos phi.

The PRO380 CT is equipped with a resettable day counter and the total energy usage can be calculated via 6 different modes. You can program the CT ratio at your convenience.

Article number	MID	Phase	Mod.	Cur.	Com.	Display	Digits	Con. mode	S0	Back-light	Acc. Class	Tariff	S0 pulse output
0258 PRO380-S	Yes	3	4	/6A	x	LCD	Var.[2]	CT	2	yes	B/C	2	Selectable[1]
0259 PRO380-Mb	Yes	3	4	/6A	M-bus	LCD	Var.[2]	CT	2	yes	B/C	2	Selectable[1]
0260 PRO380-Mod	Yes	3	4	/6A	Modbus	LCD	Var.[2]	CT	2	yes	B/C	2	Selectable[1]
0272 PRO380-S	x	3	4	/6A	x	LCD	Var.[2]	CT	2	yes	B/C	2	Selectable[1]
0273 PRO380-Mb	x	3	4	/6A	M-bus	LCD	Var.[2]	CT	2	yes	B/C	2	Selectable[1]
0274 PRO380-Mod	x	3	4	/6A	Modbus	LCD	Var.[2]	CT	2	yes	B/C	2	Selectable[1]

[1] selectable options: 10.000-2.000-1.000-100-10-1-0.1-0.01

[2] variable; depending on the CT-ratio: 5+3 / 6+2 / 7+1 / 8+0



Phase, Module and Current

3

4

/6A (CT)

PRO-Flex

The PRO-flex is a practical and simple solution that allows you to measure the energy consumption of mobile energy users/ appliances.

The PRO-flex can easily be carried to different locations, so there is no need to build a complete and costly infrastructure per location.

Hightlights

- unique design
- Inepro MID approved meter inside
- suitable for billing purposes
- IP 44 (cable) 54 (casing)
- 1,5mm^2 or 2,5mm^2 H07RN-F cable
- Schuko or CEE16 plug
- cable length 2 x 50cm
- max 16A

Article number	MID	Phase	Cur.	Com.	Display	Con. mode	Back-light	Acc. Class	Plug	Cable
0288	Yes	1	16A	x	LCD	Direct	Yes	B	Schuko	1,5mm^2 H07RNF
0276	Yes	1	16A	x	LCD	Direct	Yes	B	Schuko	2,5mm^2 H07RNF
0297	Yes	1	16A	x	LCD	Direct	Yes	B	CEE16	1,5mm^2 H07RNF
0283	Yes	1	16A	x	LCD	Direct	Yes	B	CEE16	2,5mm^2 H07RNF

Phase and Current

1

16A

PRO CT - Split Core

The PRO CT series offers a range of split core current transformers designed for installation into existing plants where removal of busbars/cable lugs prevent installation of standard current transformers.

To measure a.c. primary currents and produce a proportional secondary current.

PRO24

- Primary Current : 100 to 300A
- 24mm cable aperture
- Integral 1m cable
- Snap together housing

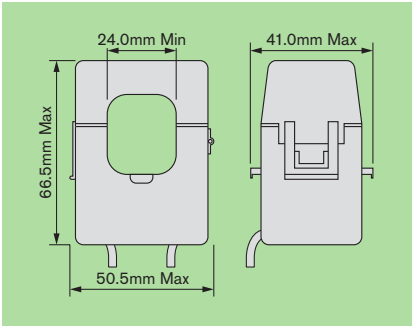
PRO36

- Primary Current : 250 to 600A
- 36mm cable aperture
- Integral 1m cable
- Snap together housing

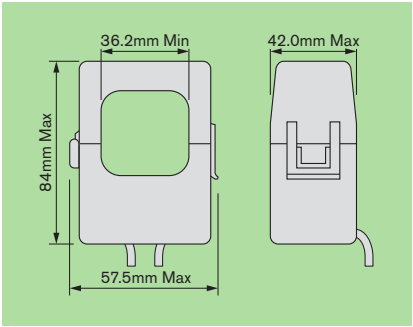
All our Current Transformers come with a 5 year warranty.

Article number	Ratio	Cable apperture	Class	Burden
7010 PRO24-CT5-100c	100/5	24mm	0.5	1.5VA
7019 PRO24-CT5-150c	150/5	24mm	0.5	1.5VA
7011 PRO24-CT5-160c	160/5	24mm	0.5	1.5VA
7012 PRO24-CT5-200c	200/5	24mm	0.5	1.5VA
7013 PRO24-CT5-250c	250/5	24mm	0.5	1.5VA
7014 PRO24-CT5-300c	300/5	24mm	0.5	1.5VA
7015 PRO36-CT5-250c	250/5	36mm	0.5	2VA
7017 PRO36-CT5-400c	400/5	36mm	0.5	2VA
7018 PRO36-CT5-600c	600/5	36mm	0.5	2VA

PRO24-CT5-100c
1.5VA
CL0.5
inepro
CE


24.0mm Min
41.0mm Max
66.5mm Max
50.5mm Max

PRO36-CT5-400c
2VA
CL0.5
inepro
CE


36.2mm Min
42.0mm Max
84mm Max
57.5mm Max

PRO CT - Solid Core

The PRO CT series offers a range of solid core current transformers. The Inepro solid core current transformers are perfectly suitable for installation in combination with a PRO380 CT smart energy meter.

To measure a.c. primary currents and produce a proportional secondary current signal.

PRO3010
- Primary Current : 5 to 300A
- 23mm cable aperture

PRO5010
- Primary Current : 400 to 600A
- 37mm cable aperture

PRO8010
- Primary Current : 600 to 1500A
- 50mm cable aperture

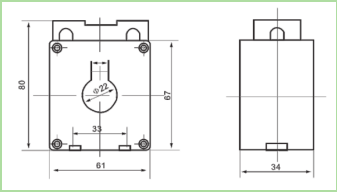
All our Current Transformers are supplied with busbar mounting bracket and come with a 5 year warranty.

Article number	Ratio	Cable apperture	Class	Burden
7108 PRO3010-CT5-100	100/5	23mm	0.5	2.5VA
7101 PRO3010-CT5-150	150/5	23mm	0.5	5VA
7102 PRO3010-CT5-200	200/5	23mm	0.5	5VA
7103 PRO3010-CT5-250	250/5	23mm	0.5	5VA
7110 PRO3010-CT5-300	300/5	23mm	0.5	5VA
7112 PRO5010-CT5-400	400/5	37mm	0.5	5VA
7113 PRO5010-CT5-500	500/5	37mm	0.5	5VA
7114 PRO5010-CT5-600	600/5	37mm	0.5	5VA
7115 PRO8010-CT5-1000	1000/5	50mm	0.5	10VA

PRO3010-CT5-200
5VA
CL.0.5
P1

PRO3010-CT5-500
5VA
CL.0.5
P1

PRO3010-CT5-1000
10VA
CL.0.5
P1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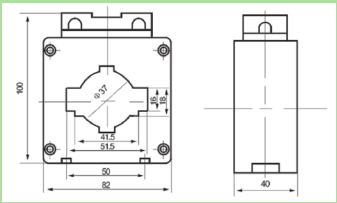
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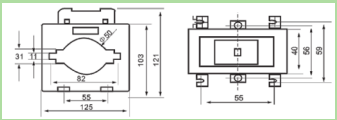
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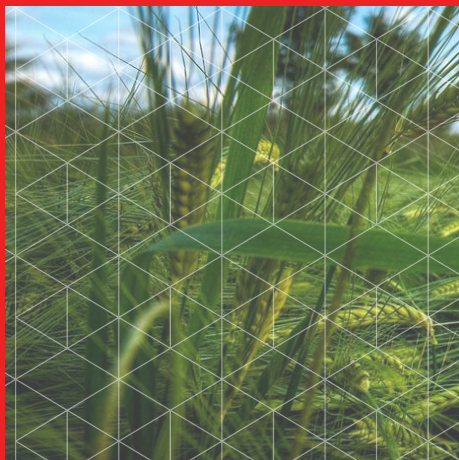
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