



EA52

Single phase residential meter



EA52 perfect householding solution. Complete advanced method for energy measurement in new designed small case. Built-in power supply transformer with active RS 485 system guarantees low power consumption and an extended life time.

MAIN FEATURES

- Active energy measurement (import /export directions or cumulative)
- Built-in real time clock, calendar
- TOU schedules, 4 tariffs
- Manual or automatic ending of billing period
- Archive metering data stored up to 16 billing periods
- Maximum and cumulative demand registration
- Daylight saving time function
- Programmable list of displayed data (OBIS)
- Configurable number of decimal places

OPTIONAL FEATURES

- Pulse output device
- Tampering detection
- Built-in battery
- Load profile
- Communication interface (RS 232, RS 485)



Simple, Smart and Reliable

SPECIFICATIONS

Voltage ratings

Reference voltage (U_n)	230 V
Voltage range	$0.8 U_n - 1.15 U_n$
Supply frequency	50 Hz

Current ratings

Starting current	$0.04 \% I_b$
Basic current (I_b)	5 / 10 / 15 A
Maximum current	40 / 60 A

Rated insulation voltage 6 kV

Over voltage protection 4 kV

Accuracy class B or A / 1 or 2

IP Rating IP 55

Number of tariff Max 4

Communication interfaces (optional) Optical interface (IEC 1107), RS 232, RS 485

Display LCD (8 digits with configurable amount of decimal places up to 3 decimals)

Weather conditions

Working temperature	-25 to +55 °C / -40 to +70 °C
Installation conditions	Outdoor (Humidity without moisture condensation)

Power consumption in voltage circuit < 0.7 W / < 1.2 VA

Impulse constant 6400 imp/kWh

Dimensions w/h/d 130 / 166 / 38.9 mm

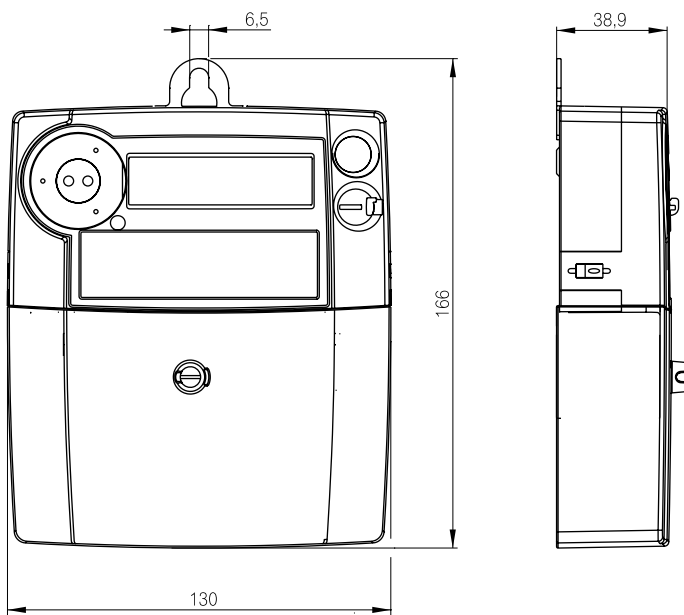
Weight 0.5 kg

Standards EN 50470

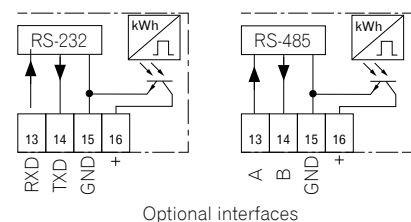
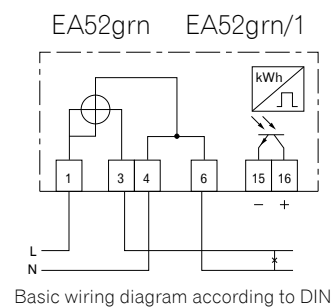
EN 62052-11

EN 62053-21

Certificate MID



Wiring diagram



Apator S.A.
 ul. Żółkiewskiego 21/29, 87-100 Toruń, Poland
 tel. +48.56 61 91 234, fax +48.56 61 91 295
 sales@apator.com.pl

www.apator.eu