

THE BIDIRECTIONAL METER FOR RECORDING POWER CONSUMPTION IN THE HOME.

The Fronius Smart Meter is a bidirectional meter which optimises self-consumption and records the household's load curve. Thanks to highly accurate measurements and rapid communication via the Modbus RTU interface, dynamic feed-in control when feed-in limits are imposed is faster and more accurate than with the S0 meter. Together with Fronius Solar.web, the Fronius Smart Meter presents a clear overview of power consumption within the home. In the Fronius storage solutions, the Fronius Smart Meter provides perfectly coordinated management of the various energy flows and optimises overall energy management. The Fronius Smart Meter is ideally suited for use with the Fronius SnapINverters and the Fronius Datamanager 2.0.

Operating voltage range (phase-to-phase)	166 V - 276 V
Frequency	50-60 Hz
Connections	Euroblock pluggable terminal blocks (12 AWG / 2.5 mm ²)
Self-consumption	1,2 W (60 Hz) / 1,5 W (50 Hz)
Maximum apparent power	4,0 VA
Accuracy ¹⁾	±0,5%
Installation	Indoors: wall mounting Outdoors: mounting in a switch cabinet with protection class NEMA 3R or 4 / IP 66
Temperature range	-30°C +55°C
Dimensions (Width)	143,0 mm
Dimensions (Height)	38,0 mm
Dimensions (Depth)	85,0 mm
Weight	0,31 kg
Interface to inverter	Modbus RTU (RS 485)
Certificates / listings	UL 61010-1, CAN/CSA-C22.2 No. 61010-1-04, IEC 61010-1, EN 61326: 2002, EN61000-4-2, EN61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, FCC Part 15 Class B, EN 55022: 1994 Class B
Standard transformers	Primary: 1 – 3000 A / secondary: only suitable for use with transformers with an output voltage of 333 mV
Supported mains supply types	Single-phase three-wire grid, single-phase grid or three-phase grid with or without neutral conductor
Power supply	Self-supplied, no external power supply required

