ENERGY METER 350

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image





Energy meters

Many companies would like to save energy at source, use energy more efficiently and maximise the availability of energy networks. This not only shows responsibility, but is also recommended for economic reasons.
Weidmüller energy meters can do far more than just measure the consumption of electrical energy. For example, the basic parameters for energy quality can also be determined or the currents of all conductors can be analysed individually or differentially - e.g. with our Energy Meter. This allows you a quick status overview of the electrical energy in your production facility. This applies both in relation to efficient usage, as well as to quality, stability and availability.

General ordering data

Version	Supply voltage : 230 V
Order No.	2425420000
Type	ENERGY METER 350
GTIN (EAN)	4050118433449
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2020-12-31

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Technical data

Dimensions and weights

Depth	48 mm	Depth (inches)	1.89 inch
Height	96 mm	Height (inches)	3.78 inch
Width	96 mm	Width (inches)	3.78 inch
Net weight	250 g		

Temperatures

Storage temperature	-25 °C...70 °C	Operating temperature	-10 °C...55 °C
Humidity at operating temperature	15...95 % RH		

Measuring current input

Current-measuring channels	3	Distortion factor THD-I in %	No
Measuring accuracy for current	1 %	Rated current	1 / 5 A
Residual current measuring	No		

Measuring voltage input

Distortion factor THD-U in %	No	Four-wire system	Yes
Measurement range, voltage L-L, AC	476 V	Measurement range, voltage L-N, AC	275 V
Measuring accuracy for voltage	1 %	Quadrants	4
Three-wire system	No		

Inputs/outputs

Number of digital outputs	2	Number of pulse outputs	2
Temperature input	No		

Measurement data recording

Memory; minimum and maximum values	Yes	Integrated logic	No

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Technical data

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Pollution severity	2	Protection degree	Enclosure: IP20, IP40
Rated current	1 / 5 A	Standards	DIN EN 61326-1, DIN EN 61000-4-2, DIN EN 61000-4-3, DIN EN 61000-4-4, DIN EN 61000-4-5, DIN EN 61000-4-6, DIN EN 61000-4-8, EN 61000-4-11, EN 55011, IEC 61010-1, IEC 61010-2-030
Measurement range, voltage L-N, AC	275 V	Measurement range, voltage L-L, AC	476 V
Surge voltage category	300 V CAT III	Voltage supply	196...275 V AC
Supply voltage	230 V	Three-wire system	No
Four-wire system	Yes	Quadrants	4
Sampling frequency 50/60 Hz	3 kHz	Continuous measurements	No
Measurement result per second	1	Effective value from the period (50/60 Hz)	1 / 1
Residual current measuring	No	Current-measuring channels	3
Measuring accuracy for voltage	1 %	Measuring accuracy for current	1 %
Measurement accuracy for active energy (kWh, .../5 A)	Class 2	Operating-hours counter	Yes
Bimetal function	Yes		

Voltage quality measurement

Distortion factor THD-U in %	No	Distortion factor THD-I in %	No
Unbalanced	No	Positive, negative and zero system	No
Current flicker intensity	No	Brief interruptions	No
Sequence-of-events recorder function	No		

Insulation coordination

Pollution severity	2	Surge voltage category	300 V CAT III

Classifications

ETIM 6.0	EC002301	ETIM 7.0	EC002301
ETIM 8.0	EC002301	ECLASS 9.0	27-14-23-30
ECLASS 9.1	27-21-03-01	ECLASS 10.0	27-14-23-30
ECLASS 11.0	27-14-23-30		

Approvals

Approvals	
ROHS	Conform

Downloads

User Documentation	Quick Guide German/English Manual Energy Meter 350 German/English
Catalogues	Catalogues in PDF-format

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Drawings

Dimensioned drawing

