

ENERGY METER 330

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Product is no longer available, Data sheet for information only



Energy meters - ValueLine

Advanced functionality of energy data capture

The scope of performance of the ValueLine energy meters goes beyond the core functions of energy measurement.

They are also suitable for determining, storing and visualising further energy quality parameters.

The free "ecoExplorer go" software is available for most types of the product group, on the one hand for device configuration / commissioning / visualisation of the measured values and on the other hand for analysing the power quality.

General ordering data

Version	Power measurement/display for 1-, 3-phase mains
Order No.	2425410000
Type	ENERGY METER 330
GTIN (EAN)	4050118433296
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2023-12-31

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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 %	Residual current measuring	No

Measuring voltage input

Distortion factor THD-U in %	No	Four-wire system	Yes
Measurement range, voltage L-L, AC	442 V	Measurement range, voltage L-N, AC	255 V
Measuring accuracy for voltage	1 %	Quadrants	4
Three-wire system	No		

Inputs/outputs

Temperature input	No
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Measurement data recording

Memory; minimum and maximum values	Yes	Integrated logic	No
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Technical data

Protection degree	Enclosure: IP20, IP40	Version	Power measurement/display for 1-, 3-phase mains
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, EN 61000-4-11, EN 55011, IEC 61010-1, IEC 61010-2-030	Measurement range, voltage L-N, AC	255 V
Measurement range, voltage L-L, AC	442 V	Surge voltage category	300 V CAT III
Voltage supply	196...255 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 ms
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

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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

EMC standards	DIN EN 61000-4-4, DIN EN 61000-4-2, DIN EN 61000-4-3, EN 55011, EN/IEC 61010-1	Surge voltage category	300 V CAT III
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Classifications

ETIM 6.0	EC002301	ETIM 7.0	EC002301
ETIM 8.0	EC002301	ETIM 9.0	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
ECLASS 12.0	27-14-23-30	ECLASS 13.0	27-14-23-30

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity

[Application notes – Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[Quick start guide – Manual Quick Guide German/English](#)[Application notes – Manual Energy Meter 330 German/English](#)

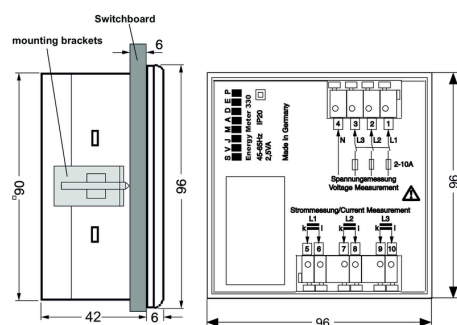
Catalogues

[Catalogues in PDF-format](#)

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Drawings**Dimensioned drawing**

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www.weidmueller.com**Accessories****Accessories****General ordering data**

Type	ENERGY METER FIXING SET
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Order No.	2433030000
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GTIN (EAN)	4050118446401
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Qty.	1 pc(s).
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Type	ENERGY METER SEAL L96-1
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Order No.	2495640000
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GTIN (EAN)	4050118505887
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Qty.	1 pc(s).
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Type	ENERGY METER BRACKET S1
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Order No.	2433080000
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GTIN (EAN)	4050118446500
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Qty.	1 pc(s).
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