

## ENERGY METER D370-CBM

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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Fax: +49 5231 14-292083

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

Type	ENERGY METER D370-CBM
Order No.	<a href="#">2540830000</a>
Version	Supply voltage :
GTIN (EAN)	4050118553253
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Width	71.6 mm	Width (inches)	2.819 inch
Height	98 mm	Height (inches)	3.858 inch
Depth	46 mm	Depth (inches)	1.811 inch
Net weight	150 g		

**Temperatures**

Humidity at operating temperature	5...95 % RH	Operating temperature, max.	60 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	70 °C
Storage temperature, min.	-20 °C	Operating temperature	-25 °C...60 °C
Storage temperature	-20 °C...70 °C		

**Measuring current input**

Current-measuring channels	3	Distortion factor THD-I in %	Yes
Harmonics, per order / current	1..25., odd	Measuring accuracy for current	0.2 %
Rated current	1 / 5 A	Residual current measuring	No

**Measuring voltage input**

Distortion factor THD-U in %	Yes	Four-wire system	Yes
Harmonics, per order / voltage	1..25., odd	Measurement range, voltage L-L, AC	480 V
Measurement range, voltage L-N, AC	277 V	Measuring accuracy for voltage	0.2 %
Quadrants	4	Three-wire system	No

**Communication**

Interface	RS485: 9,6 – 115,2 kbps	Protocol	Modbus RTU
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**Inputs/outputs**

Temperature input	No
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**Measurement data recording**

Memory; minimum and maximum values	Yes	Memory size	4 MB
Number of memory values	160 k	Update interval register	200 ms
Min. memory recording interval	60 s	Software	ecoExplorer go®
Integrated logic	No		

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## Technical data

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Standards	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 55011, IEC 61010-2-030, IEC 61010-1, IEC 61326-1, DIN EN 61326-1	Measurement range, voltage L-N, AC	277 V
Measurement range, voltage L-L, AC	480 V	Surge voltage category	300 V CAT III
Three-wire system	No	Four-wire system	Yes
Quadrants	4	Sampling frequency 50/60 Hz	5.4 kHz
Continuous measurements	Yes	Effective value from the period (50/60 Hz)	10 / 12
Measurement result per second	5	Residual current measuring	No
Measuring accuracy for voltage	0.2 %	Measuring accuracy for current	0.2 %
Measurement accuracy for active energy (kWh, .../5 A)	Class 0.5S	Operating-hours counter	Yes
Weekly time switch	No	Current-measuring channels	3
Clock	Yes	Bimetal function	Yes

## Voltage quality measurement

Harmonics, per order / voltage	1-25., odd	Harmonics, per order / current	1-25., odd
Distortion factor THD-U in %	Yes	Distortion factor THD-I in %	Yes
Unbalanced	No	Positive, negative and zero system	Yes
Brief interruptions	No	Sequence-of-events recorder function	Yes

## Classifications

ETIM 5.0	EC001102	ETIM 6.0	EC002301
UNSPSC	39-12-15-35	eClass 6.2	27-20-03-90
eClass 7.1	27-37-18-01	eClass 8.1	27-37-18-01
eClass 9.0	27-14-23-30	eClass 9.1	27-21-03-01

## Approvals

Approvals



Approvals

CE

ROHS

Conform

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU-Declaration of Conformity</a>
Software	<a href="#">MODBUS address list</a> <a href="#">Win64 - ecoExplorer go</a> <a href="#">Unix - ecoExplorer go</a> <a href="#">Win32 - ecoExplorer go</a> <a href="#">Linux64 - ecoExplorer go</a> <a href="#">Linux32 - ecoExplorer go</a>
User Documentation	<a href="#">Quick Guide German/English</a> <a href="#">Manual ECOEXPLORER GO English</a> <a href="#">Manual Energy Meter D370 German/English</a>

Creation date May 27, 2019 8:13:24 PM CEST

Catalogue status 23.05.2019 / We reserve the right to make technical changes.

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**Drawings**

**Dimensioned drawing**

