



Flush-mount LCD
multimeters.
expandable
DMG600
Three-phase +
neutral

Product designation

Product type designation

Type

Auxiliary supply U_s

Auxiliary rated supply voltage AC	VAC	100...440
Auxiliary rated supply voltage DC	VDC	120...250
Auxiliary operating voltage range		
AC	min	VAC 90
	Max	VAC 484
DC	min	VDC 93.5
	Max	VDC 300

Operational frequency

min	Hz	45
max	Hz	66

Power consumption

Max	VA	9.5
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Power dissipation Max

W	3.5
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Measuring voltage inputs

Rated voltage (U_e)	phase-phase	VAC	600
	phase-neutral	VAC	300

Operating voltage range

phase-phase	VAC	50...720
phase-neutral	VAC	30...360

Voltage inputs operational frequency

min	Hz	45
max	Hz	66

Voltage inputs measurement method

True RMS

Connection method

Single. two.
three-phase with
or without neutral.
balanced three-
phase system

Current inputs

Rated current (I_e)	A	1A/5A
Measurement range		0.025...6A
Measurement method		TRMS
Overload capacity		+20% I_e by external CT with 5A secondary
Overload peak	A	50A for 1s

Accuracy

VLN voltage	±0.5%
VLL voltage	±0.5%
Current	±0.5%
Frequency	±0.05%
Active power	±0.5%
Active energy	Class 1 (IEC/EN 62053-21)
Reactive energy	Class 2 (IEC/EN 62053-23)

Insulations

Rated insulation voltage Ui IEC/EN	V	600
Rated impulse withstand voltage Uimp	kV	9.5
Operating frequency withstand voltage	kV	5.2

Functions

Harmonic analysis	15th order
PLC logic	No
Type of communication port	No
Ethernet-RS485 gateway function	No

Mechanical features

Housing type	Polyamide
Terminals type	Removable

Conductor cross section	min	mm ²	0.2
	Max	mm ²	2.5
	min	AWG	24
	Max	AWG	12

Tightening torque (Max)	Nm	0.5
	lbin	4.5

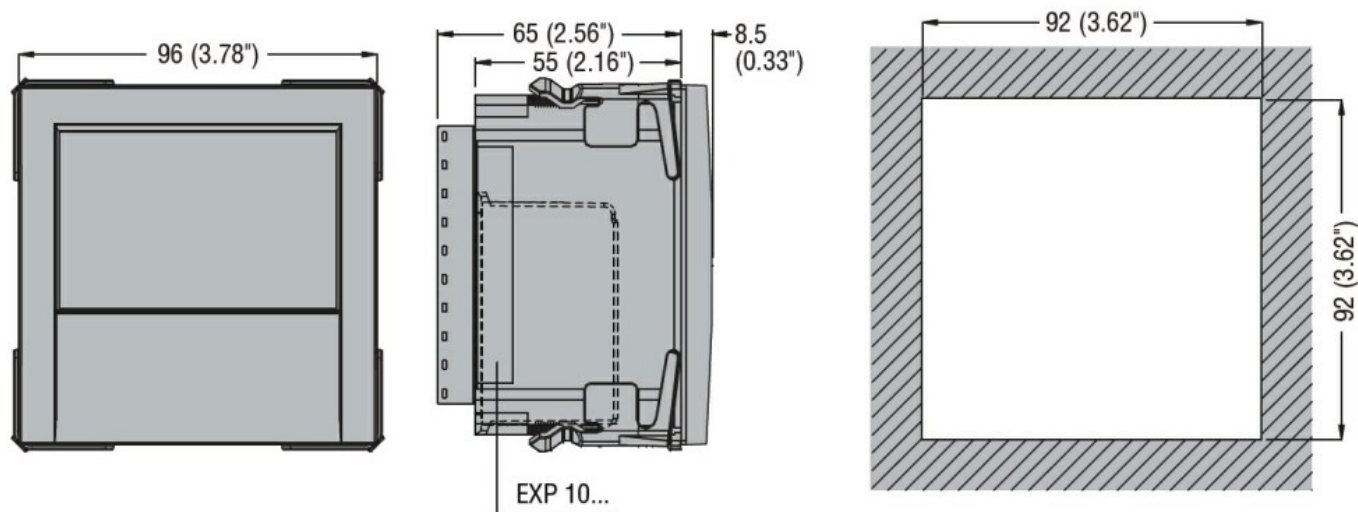
Fixing	Flush-mounting
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Weight	g	300
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Ambient conditions

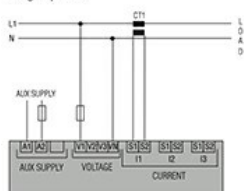
Temperature	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	min	°C	-30
		max	°C	+80
Relative humidity		%		<90
Maximum Pollution degree				2
Protection degree				IP54

Dimensions

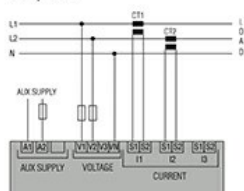


Wiring diagrams

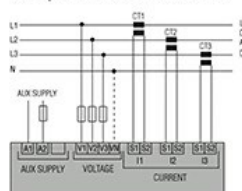
Single-phase



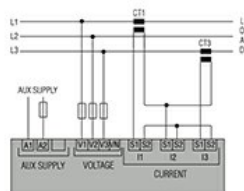
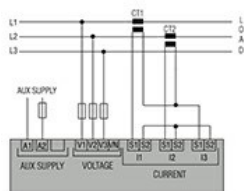
Two-phase



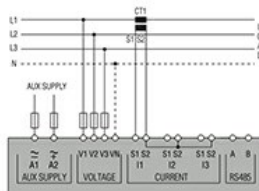
Three-phase with or without neutral



Three-phase without neutral in ARON connection



Balanced 3-phase connection with or without neutral



CODE	AUX SUPPLY
DMG100-110-200-210-300	100...240VAC 110...250VDC
DMG6...	100...440VAC 110...250VDC
DMG7000-7500-8000-9000	100...240VAC 110...250VDC

RS485 for DMG110 and
DMG210

TRI A B SG
RS485

RS485 for DMG610

A B
RS485

RS485 for DMG7500 and
DMG9000

A B SG
RS485

Certifications and compliance

Compliance

CSA 22.2 n°61010-1
IEC/EN 61000-6-2
IEC/EN 61000-6-3
IEC/EN 61010-1
IEC/EN 61010-2-030
UL61010-1

Certificates

cULus
EAC
GOST
RCM

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument