



Auxiliary supply Us

Auxiliary rated supply voltage AC	VAC	100...240
Auxiliary rated supply voltage DC	VDC	110...250
Auxiliary operating voltage range		
AC	min	VAC 90
	Max	VAC 264
DC	min	VDC 100
	Max	VDC 300

Operational frequency	min	Hz	45
	max	Hz	66

Power consumption	Max	VA	15
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Power dissipation Max	W	6
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Measuring voltage inputs

Rated voltage (Ue)	phase-phase	VAC	600
	phase-neutral	VAC	347

Operating voltage range	phase-phase	VAC	40...830
	phase-neutral	VAC	5...480

Voltage inputs operational frequency	min	Hz	45 and 360
	max	Hz	66 and 440

Voltage inputs measurement method	True RMS
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Connection method	Single. Two. Three-phase with or without neutral. Balanced three-phase system. Three-phase ARON.
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Current inputs

Rated current (Ie)	A	1A/5A
Measurement range		0.004...6
Measurement method		TRMS
Overload capacity		+20% Ie by external CT with 5A secondary
Overload peak	A	120A for 0.5s

Accuracy

VLN voltage	Class 0.2 (IEC/EN 61557-12), V:50-480V~
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POWER ANALYZER WITH WIDESCREEN COLOUR LCD. AUXILIARY SUPPLY 100...240VAC.
EXPANDABLE WITH 3 EXP... MODULES, BUILT-IN RS485 AND ETHERNET PORTS, DATA
MEMORY FOR LOGGING, COMPATIBLE WITH EASY BRANCH POWER MONITORING
SYSTEM

VLL voltage	Class 0.2 (IEC/EN 61557-12), V:87-830V~
Current	Class 0.2 (IEC/EN 61557-12), In:5A~
Frequency	Class 0.02 (IEC/EN 61557-12)
Active power	Class 0.5 (IEC/EN 61557-12)
Reactive power	Class 1 (IEC/EN 61557-12)
Active energy	Class 0.5s (IEC/EN 62053-22)
Reactive energy	Class 1 (IEC/EN 62053-24)
THD	Class 5 (IEC/EN 61557-12)
2nd 15th order harmonics	Class 5 (IEC/EN 61557-12)

Insulations

Rated insulation voltage Ui IEC/EN	V	600
Rated impulse withstand voltage Uimp	kV	9.6
Operating frequency withstand voltage	kV	5.4

Functions

Harmonic analysis	63rd order
PLC logic	Yes
Type of communication port	RS485/Ethernet
Ethernet-RS485 gateway function	Yes
Data logging memory	Yes
Neutral/earth current and voltage monitoring	Yes
Statistics of network quality according to EN50160	Yes
EASY BRANCH support	Yes

Mechanical features

Housing type	Xantar RAL 7035
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
Weight	g 439

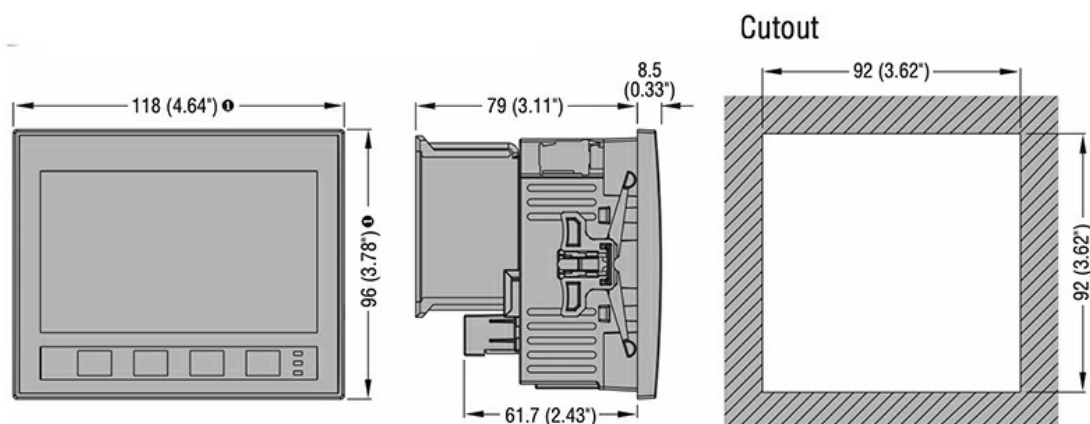
Ambient conditions

Temperature	
Operating temperature	
	min °C -20
	max °C +60
Storage temperature	

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	min	°C	-30
	max	°C	+80
Relative humidity		%	<80
Maximum Pollution degree			2
Protection degree			IP65

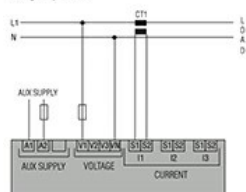
Dimensions



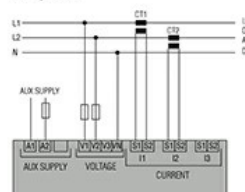
① Dimensions with gasket: 122x100mm/4.80x3.94".

Wiring diagrams

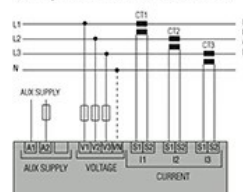
Single-phase



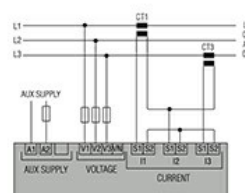
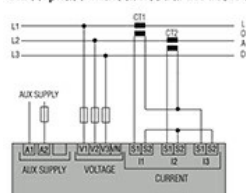
Two-phase



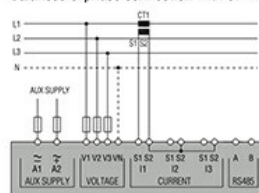
Three-phase with or without neutral



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



RS485 for DMG610



RS485 for DMG7500 and DMG9000



Certifications and compliance

Compliance

CSA 22.2 No 61010-2-030

CSA C22.2 No 61010-1

IEC/EN/BS 61000-6-2

IEC/EN/BS 61000-6-4

IEC/EN/BS 61010-1

IEC/EN/BS 61010-2-030

UL61010-1

UL61010-2-030

Certificates

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CE	
cETLus	
EAC	
UKCA	

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument