



Auxiliary supply Us

Auxiliary rated supply voltage DC	VDC	12...48
Auxiliary operating voltage range DC		
	min VDC	12
	Max VDC	48
Power consumption	Max VA	15
Power dissipation Max	W	6

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
Connection method			Single. Two. Three-phase with or without neutral. Balanced three-phase system. Three-phase ARON.

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~
VLL voltage	Class 0.2 (IEC/EN 61557-12), V:87-830V~
Current	Class 0.2 (IEC/EN 61557-12), In:5A~

POWER ANALYZER WITH WIDESCREEN COLOUR LCD. AUXILIARY SUPPLY 12...48VDC.
EXPANDABLE WITH 3 EXP... MODULES, BUILT-IN RS485 AND ETHERNET PORTS, DATA
MEMORY FOR LOGGING, COMPATIBLE WITH EASY BRANCH POWER MONITORING
SYSTEM

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

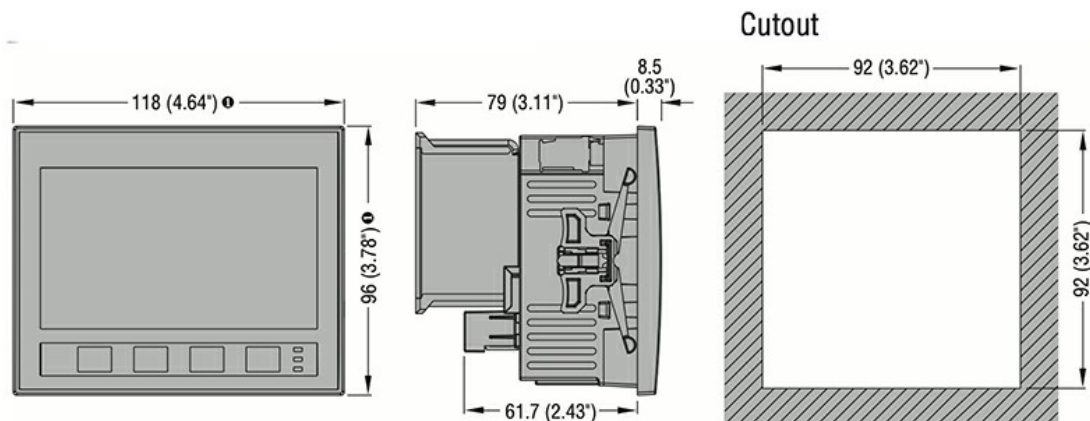
Housing type	Xantar RAL 7035		
Terminals type	Removable		
Conductor cross section			
	min	mm²	0.2
	Max	mm²	2.5
	min	AWG	24
	Max	AWG	12

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

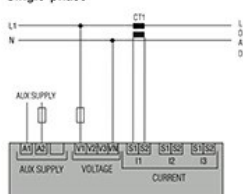
Dimensions



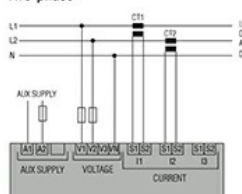
① Dimensions with gasket: 122x100mm/4.80x3.94".

Wiring diagrams

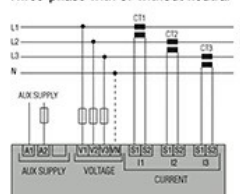
Single-phase



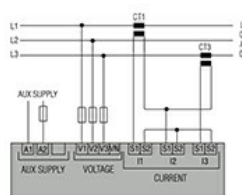
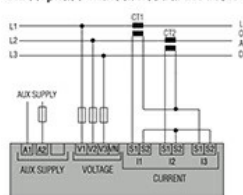
Two-phase



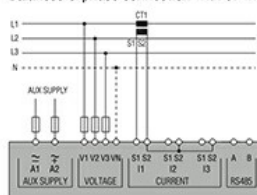
Three-phase with or without neutral



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 61010-1

UL61010-1

UL61010-2-030

Certificates

CE

UKCA

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument