



Auxiliary supply Us

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 (Ue)	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 (Ie)	A	1A/5A
Current reading through Rogowski coils	A	20...6300
Measurement range		0.025...6A
Measurement method		TRMS

Overload capacity

+20% Ie by
external CT with
5A secondary

Overload peak	A	50A for 1s
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Current

IEC maximum (Imax)	A	6300
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Accuracy

VLN voltage	±0.5%
VLL voltage	±0.5%

FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE, BACKLIGHT ICON LCD DISPLAY, 72X46MM/2.8X1.8", AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND RS485 PORTS. CURRENT READING THROUGH 3 ROGOWSKI COILS INCLUDED, MAX CURRENT 6300A, Ø240MM AND CABLE LENGTH 2M

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	RS485
Ethernet-RS485 gateway function	No

Mechanical features

Housing type				Polyamide
Terminals type				Removable
Conductor cross section				
	min	mm²	0.2	
	Max	mm²	2.5	
	min	AWG	24	
	Max	AWG	12	

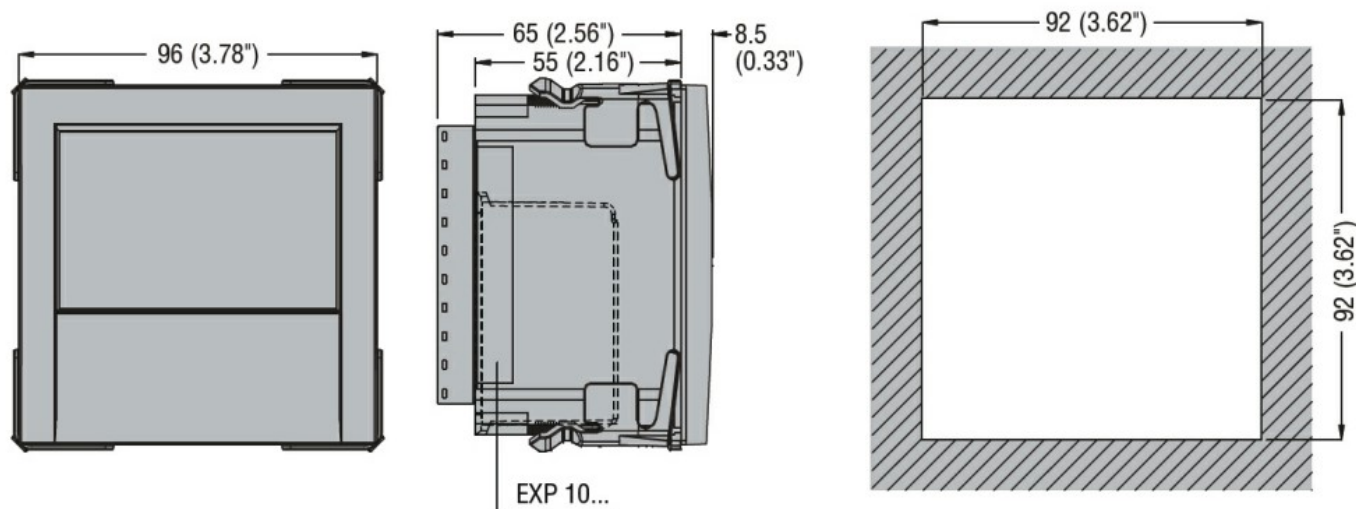
Tightening torque (Max)	Nm	0.5
	lbin	4.5
Fixing		Flush-mounting
Weight	g	350

Ambient conditions

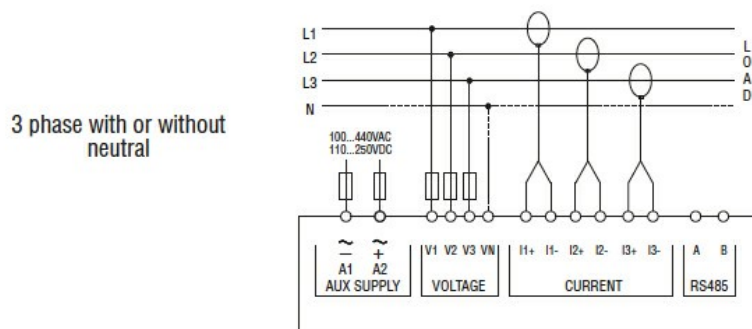
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<90
Maximum Pollution degree				2
Protection degree				IP54 on front - IP20 terminals

Dimensions

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Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61000-6-2
IEC/EN 61000-6-3
IEC/EN 61010-1
IEC/EN 61010-2-030

Certificates

EAC

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument