



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
Power dissipation Max	W		3.5
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
Current			
IEC maximum (Imax)	A		3000
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 3000A, Ø150MM 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	mm ²	0.2	
	Max	mm ²	2.5	
	min	AWG	24	
	Max	AWG	12	

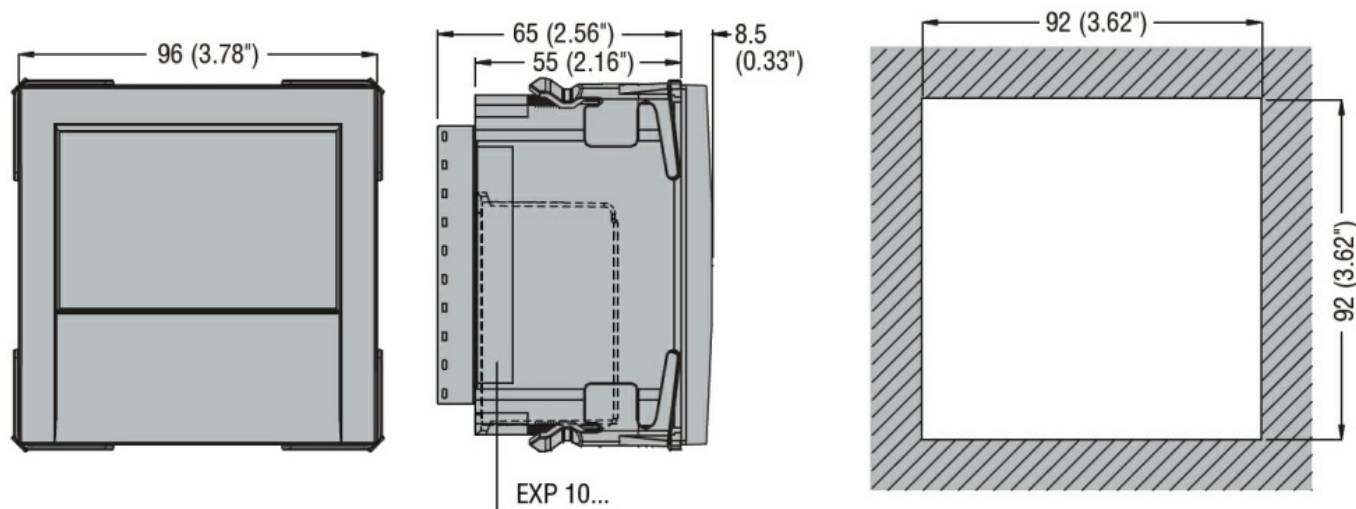
Tightening torque (Max)	Nm	0.5
	lbin	4.5
Fixing	Flush-mounting	
Weight	g	350

Ambient conditions

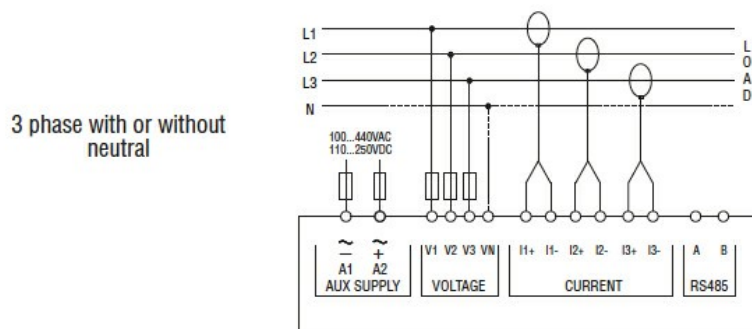
Temperature				
	Operating temperature			
		min	°C	-20
		max	°C	+60
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<90
Maximum Pollution degree				2
Protection degree				IP54 on front - IP20 terminals

Dimensions

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 3000A, Ø150MM AND CABLE LENGTH 2M



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