



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
Measurement range			0.025...6A
Measurement method			TRMS
Overload capacity			+20% Ie by external CT with 5A secondary
Overload peak	A		50A for 1s
Accuracy			
Reference standards			IEC/EN/BS 61557-12
	VLN voltage		Class 0.2 (100-480V)

FLUSH-MOUNT LCD MULTIMETER, EXPANDABLE. HIGH ACCURACY MEASURING OF ACTIVE ENERGY WITH CLASS 0.5S. BACKLIGHT ICON LCD, 72X46MM/2.8X1.8", HARMONIC ANALYSIS, AUXILIARY SUPPLY 100-440VAC/120-250VDC, FRONT OPTICAL PORT AND RS485 PORT

VLL voltage	Class 0.2 (177-830V)
Current	Class 0.2 (In 5A)
Frequency	Class 0.02
Active power	Class 0.5
Reactive power	Class 1
	Class 0.5
Active energy	Class 0.5s (IEC/EN 62053-22)
	Class 1
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

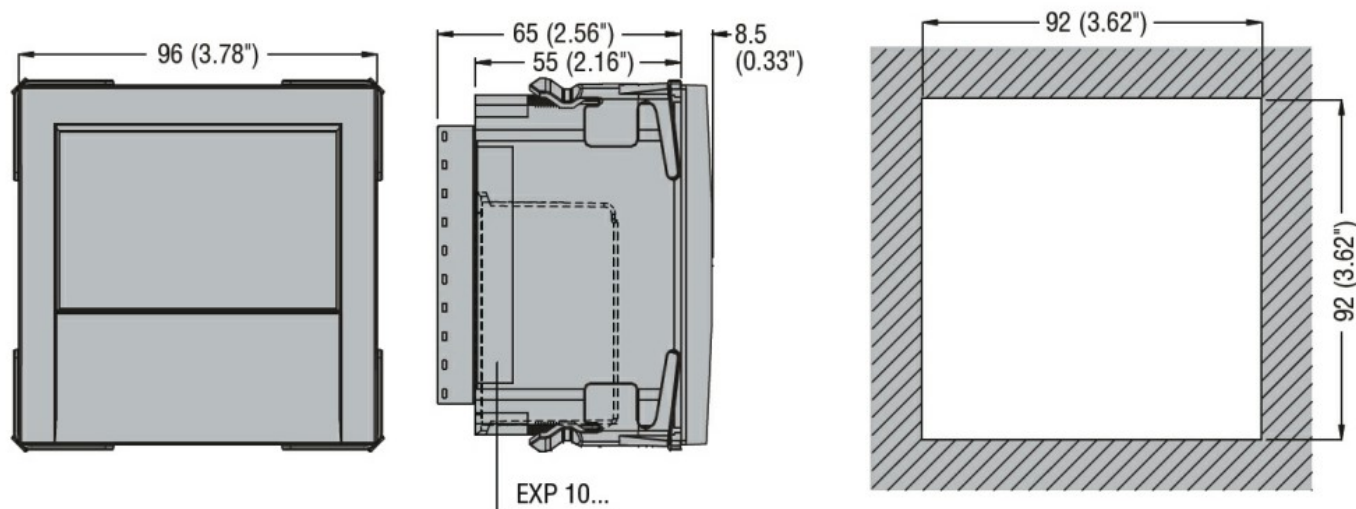
Housing type				Polyamide
Terminals type				Removable
Conductor cross section				
	min	mm²	0.2	
	Max	mm²	2.5	
	min	AWG	24	
	Max	AWG	12	

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

Ambient conditions

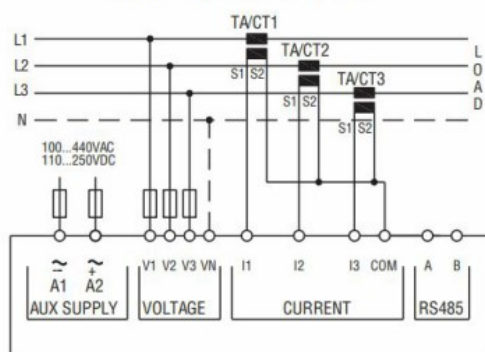
Temperature				
	Operating temperature			
	min	°C	-20	
	max	°C	+60	
	Storage temperature			
	min	°C	-30	
	max	°C	+80	
Relative humidity			%	<90
Maximum Pollution degree				2
Protection degree				IP54 on front - IP20 terminals

Dimensions

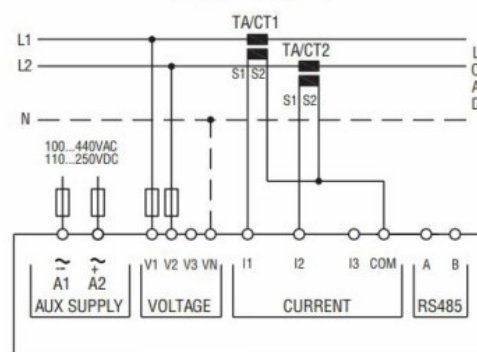


Wiring diagrams

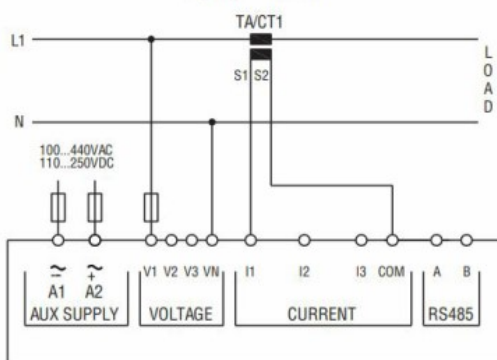
3-phase connection with or without neutral
P01.07 = L1-L2-L3-N L1-L2-L3



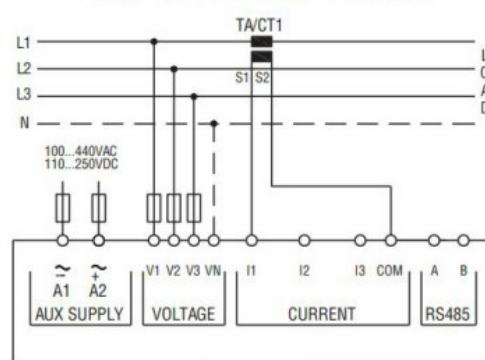
2-phase connection
P01.07 = L1-N-L2



Single-phase connection
P01.07 = L1-N



Balanced 3-phase connection with or without neutral
P01.07 = L1-L2-L3-N-BIL L1-L2-L3-BIL



Certifications and compliance

Compliance

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

Certificates

cULus

ETIM classification

ETIM 8.0

EC002301 -
Multifunction
measuring
instrument