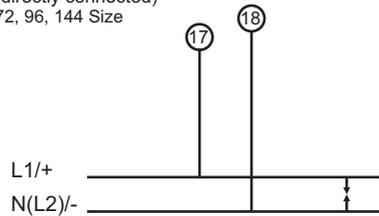


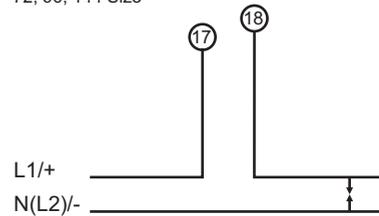
# Connections

★ For 48 size, terminal numbering with be 11 & 12 instead of 17 & 18 respectively.

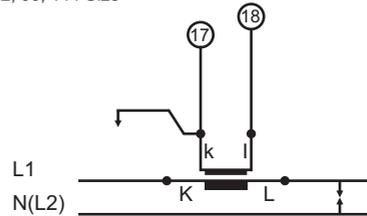
AC/DC Voltage & ZQ (Frequency meter)  
(directly connected)  
72, 96, 144 Size



AC/DC Current (directly connected)  
72, 96, 144 Size

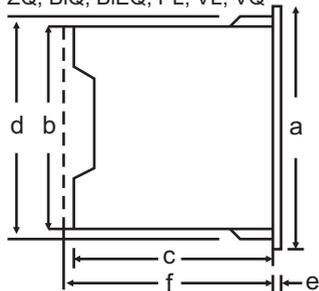


AC current (for use on current transformer)  
72, 96, 144 Size

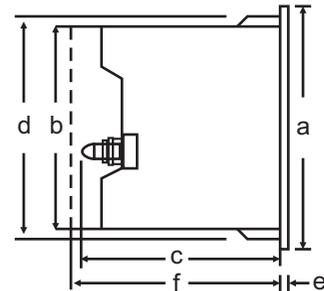


# Dimensions

For EQ Voltmeters & Ammeters upto  
30A/For PQ Voltmeter & Ammeters <6A  
ZQ, BiQ, BiEQ, PL, VL, VQ



For EQ Ammeters >30A/For  
PQ Ammeters 6- 100 A



Type	48X48*	72X72	96X96	144X144	
Dimensions (in mm)					
Bezel	a	48	72	96	144
Case	b	43.5	66	90	136
Depth	c*	53	53	53	53
	d	44.5	67.5	91.5	137.5
	e	5.5	5.5	5.5	5.5
		45 <sup>+0.6</sup>	68 <sup>+0.7</sup>	92 <sup>+0.8</sup>	138 <sup>+1</sup>
Cutout size	f**	64	64	64	64
Depth with back cover	*	C = 62mm, for I >30A & up to 60A / *C = 68mm, for I = 6 to 60 A			
	*	C = 67mm, for I >60A / *C = 78mm, for I > 60A			
	**	f = 69.5mm, for I >60A			
	**	f = 75 mm, for EQ 48, I > 30 A / 75 mm / ** f = 75mm, for PQ 48, I > A.			
Weight approx		0.1 kg.	0.16kg	0.2kg.	0.4kg.

# Instruction Sheet

IC : 15030338

For Analogue Panel Meters type EQ, PQ, BIQ, & BIEQ, PL, VL, VQ, ZQ

## 1.0 General:

This meter complies with International standard IEC 1010-1 Amendment 2 for safety and is conforming to routine tests as per IEC 51. The test equipment used is traceable to National/ International standards.

This product must be used after mounting in panel with hardware supplied, with wires permanently connected to terminals as specified.

## 2.0 Meaning of Symbols :



Caution hot surface



EU conformity mark

## 3.0 Safety specifications (IEC1010-1 A2)

- \* Indoor use
- \* Altitude up to 2000 m
- \* Temp. -10 to +55° C
- \* Maximum relative humidity 80% for temperature up to 31°C decreasing linearly to 50% relative humidity at 40°C & further linear decrease to 25% relative humidity at 55°C
- \* Basic Insulation
- \* Pollution degree 2
- \* Installation Categories (over voltage category): For EQ, PQ, Size 72, 96 & 144 - 600V CAT III  
Size 48 - 300V CAT III  
For BIQ, BIEQ, VL, VQ, ZQ PL, - 300V CAT III

## 4.0 Equipment Installation:

- \* Due consideration should be given to space behind the meter to allow for bends in connecting cables.
- \* Ensure that wires do not remain under tension.
- \* The products do not have internal protection against overload & short circuit. Hence external safety protection should be provided. It is recommended to install protective device near equipment.
- \* PQ meter millivolt ranges :- Please use lead wires having total resistance of 35 milliohms.
- \* For IP-65 :- Meter Should be installed with IP 65 Gasket behind the bezel on the case.

## 5.0 Operation & Maintenance :

- \* Equipment must be installed & maintained by suitably qualified person.
- \* If equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- \* CTs must not be opened when on load.
- \* Instruments with damaged bezels or window glasses must be disconnected from mains.
- \* Back cover must be snapped into place for protection against accidental contact.
- \* Disconnect supply before replacing scales, bezels or window glasses.
- \* There are no user serviceable parts in this product. Please contact at the address given, for clarifications if any.

## 6.0 Equipment Rating :

As per information on Sticker & Dial of the instrument.

# Instruction Sheet

IC : 30338

For Analogue Panel Meters type EQ, PQ, BIQ, & BIEQ, PL,VL,VQ,ZQ

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