

WATT, VAR & PF METER

INTRODUCTION:

ACCORD Digital Panel Meters designed in view of the typical atmosphere and tropical conditions in the Indian Industry / Electrical Sub-stations. Reliable functioning / duty of the Meters is ensured through employment of latest quality components of reputed make & tested circuit.

FEATURES :

- Static design, no moving parts. Eliminates frequent calibration.
- Bright red, long lasting LED display
- Available in various Accuracy Classes.
- Meters also available with RS-485 communication port.
- Quick Response Time.
- CAD Circuit design.
- Components have high thermal withstand capacity & can survive extreme tropical atmospheric conditions.
- Stable indication even in case of wide power supply fluctuations (for self-powered & Aux. Powered transducers).
- Available in various standard cabinet sizes & display sizes.



APPLICATIONS :

- Electrical Utility (Power Generation, Transmission & Distribution).
- Process Control & Monitoring.
- Supervisory Control And Data Acquisition (SCADA) applications.
- Telemetry.
- Energy Management & Remote Monitoring in diverse industries like chemical plants, cement plants, etc.

GENERAL SPECIFICATIONS:

1	Display Type	:	7-Segment, bright red LEDs, 3½ Digits, or 4½ Digits.
2	Continuous Overload Capacity	:	X 2 (I), X 1.2 (V)
3	OL for 1 sec	:	X 10 (I), X 2 (V)
4	Type of Measurement	:	RMS or True RMS
5	Response Time	:	< 300ms
6	Aux. Supply	:	90-270V AC/DC or 48V DC.
7	Burden on Aux Supply	:	< 4VA
8	Burden on monitored source	:	< 0.5VA
9	Accuracy	:	0.2% OR 0.5% OR 1.0% of span.
10	Ambient conditions	:	Storage: -20°C to 70°C, upto 95% RH non-condensing. Working: 0°C to 55°C, 95% RH non-cond.
11	Effect of Ambient Temperature	:	0.05% of span/C
12	Isolation Test Voltage between input / output / Aux. Supply	:	Dielectric strength at 2.0KVAC for one minute. Optional 5.0KVAC Test can also be done.
13	Insulation Resistance	:	> 100M at 500VDC between all input terminals shorted together and earth.
14	Mounting	:	Flush, Panel Mounting Type.
15	Enclosure	:	Engineering Plastic enclosure.
16	Terminals	:	Suitable for 2.52 mm wire.
17	Protection	:	Input & Output short circuit & open circuit protected.
18	Size Available	:	96x96mm & 144x144mm.
19	Class Conformation	:	General Conformation to BIS12784 (Part 1) / IEC688