

MULTIFUNCTION METERS

TRINITY has a host of low cost, easy to use multifunction meters that offer all the basic measurement capabilities required to monitor electricity . Some of these meters also have an RS485 port supporting MODBUS-RTU protocol for integration with SCADA/EMS. The entire range is very rugged and cost-effective. All these products are field proven and more than 100,000 units are active in service.

Basic Features:

- Multiparameter Monitoring
- Measurement of all important Electrical Parameters
- All parameters with default accuracy class 1.0S
- Compact 96 X 96 X 55 mm DIN enclosure



Technical Specifications

Sr. No.	Parameters & Options	VAF	NF29	ORION	ENTITY+	BOSS	EMPOWER	TINYPRO3	TINYPRO5	TINYPRO6	STATISTICS
1	Volts R-N	Y	Y	-	Y	Y	Y	-	Y	Y	Direct Voltage Input : Up to 300V L-N Burden : 0.5VA Secondary Voltage Input : 63.5V*
2	Volts Y-N	Y	Y	-	Y	Y	Y	-	Y	Y	
3	Volts B-N	Y	Y	-	Y	Y	Y	-	Y	Y	
4	Volts RY	Y	Y	-	Y	Y	Y	-	Y	Y	Direct Voltage Input : Up to 500V L-L Burden : 0.5VA Secondary Voltage Input : 110V*
5	Volts YB	Y	Y	-	Y	Y	Y	-	Y	Y	
6	Volts BR	Y	Y	-	Y	Y	Y	-	Y	Y	
7	Current R	Y	Y	-	Y	Y	Y	-	Y	Y	Secondary Current Input : 5A or 1A (To be specified at the time of Ordering) CT Primary : Site Selectable Range of Reading : 5-5000A Burden : <1.0VA Overload (Through CT) : 5A CT = 6A RMS Continuous 1A CT = 1.2A RMS Continuous
8	Current Y	Y	Y	-	Y	Y	Y	-	Y	Y	
9	Current B	Y	Y	-	Y	Y	Y	-	Y	Y	
10	Frequency	Y	Y	-	Y	Y	Y	-	Y	Y	45 to 55 Hz, Accuracy : 0.3% of Reading
11	KWh	-	Y	-	Y	Y	Y	Y	Y	Y	Range of Reading : 0 to 9999999.9 KWh Accuracy : 1.0S as per IS 13779
12	KVARh	-	Y	-	Y	Y	Y	-	-	-	Range of Reading : 0 to 9999999.9 KVARh Accuracy : 1.5% of Reading (Between 0.5 Lag to 0.8 Lead)
13	KVAh	-	Y	-	Y	Y	Y	-	-	-	Range of Reading : 0 to 9999999.9 KVAh Accuracy : 1.0% of Reading
14	System PF	-	Y	Y	Y	Y	Y	Y	-	Y	Accuracy : 1% of Reading (IPFI≥0.5) Range of Reading : 0.05 to 1.00 Lag/ Lead
15	System KVA	-	Y	-	Y	Y	Y	-	-	-	Accuracy : 1.0% of Reading
16	System KW	-	Y	Y	Y	Y	Y	Y	Y	Y	Accuracy : 1.0% of Reading (Between 0.5 Lag to 0.8 Lead)
17	System KVAR	-	Y	-	Y	Y	Y	-	-	-	Accuracy : 1.5% of Reading (Between 0.5 Lag to 0.8 Lead)
18	DISPLAY	0.56" Red Seven Seg.	Customized LCD	16 X 1 LCD	16 X 1 LCD	128 X 64 Graphics LCD	0.4" Red Seven Seg.	0.4" Red Seven Seg.	0.4" Red Seven Seg.	0.4" Red Seven Seg.	
19	RS485 (Option)	-	-	-	Y	Y	Y	-	-	Y	For integration with EMS/ SCADA
20	Bezel	96 X 96 mm									DIN enclosure
21	Depth	55 mm									

*To be specified at the time of ordering along with PT Primary

TRINITY ENERGY SYSTEMS PVT. LTD

366/A/12, G.I.D.C. Estate, Makarpura, VADODARA-390010, Gujarat, India.

Tele/ Fax : 0265 - 2645738/ 2633270/ 2632761

E-mail : info@trinityenergy.co.in

web : www.trinityenergy.co.in



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