



ETI **Smart**

Demand Controller
Solar Pump Controller
Prepayment Controller

Smart Demand Controller

TMDR 52

1.0 Class Accuracy



Description

Demand Controller are based on 32 Bit, 100 Pin Microprocessor, with 24 Bit Six Channel Sigma Delta Fornt end Analog to Digital Converters. The measurement accuracy of Class 0.5 can be achieved on the practical range of operation. Programmable Demand Controller is versatile instrument used for controlling the electricity consumption and is extremely use ful for putting up a limit on the drawn load. This instrument can also be used with DG sets with controlled load options.

The variants available are

- **TMFLR70** - Smart MF LCD Meter Cl - 05.S
- **TMFR50** - Smart MF LED Meter Cl - 0.5S
- **TMFR42** - Advance MF 7 Segment Meter Cl - 1.0
- **TMF28** - Basic MF 7 Segment Meter Cl - 1.0

Key Features

- 32 Bit, 100 Pin, Processor
- SMT Technology
- Various choice of Bright FND display
- 4 keys for programming input
- Higher Class of Accuracy
- 2 Quadrant to 4 Quadrant
- Programmable Load Setting in kW/kVA/Amp
- Additional programmable voltage and frequency setting for tripping
- Programmable CT/PT ratio
- Alarms and control optional
- 2 no's potential free relay output
- Password protected



ISO 9001, ISO 14001 CERTIFIED COMPANY

Technical Specification

- Family : TMDR52
- Rating/phase/Class : 230V, 3 Ph, -/5Amp, CL-1.0, 50Hz
- Dimension : 96x96x65 mm
- Display Type : Seven Segment LED Display
- CT /PT Ratio : Password protected field programmable
- Auxiliary Supply : 230Vac/24V DC
- Power Supply : Switch Mode Power Supply with Dual Isolated Output

PARAMETERS

Manual Scroll

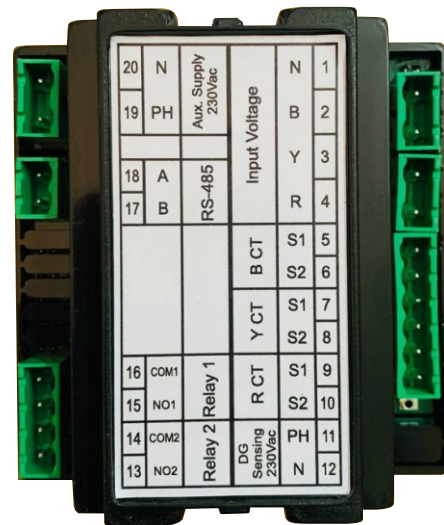
- Output Vrms in Volts
- Load Current Irms in Amps
- Power in kW/kVA
- Frequency in Hz
- Power Factor
- kVA
- kWh
- kVAr optional
- kVArh optional
- Customization of Parameters : 3 Line FND display, customization is optional
- CT Ratio : Field Programmable upto XXXX
- PT Ratio : Field Programmable
- Load Setting in kW/ kVA/ Amp : Programmable above which the Relay switches from NO to NC
- Relay 1 Setting (Cp1) : kW/kVA/Amp/Volt/Hz
- Lower Limit (LL1) : NA for Load parameters
- Higher Limit (HL1) : Field programmable
- OC Delay (DLY1) : Occurrence delay
- Relay 2 Setting (CP2) : kW/kVA/Amp/Volt/Hz
- Lower Limit (LL2) : NA for Load parameters
- Higher Limit (HL2) : Field programmable
- OC Delay (DLY2) : Occurrence delay
- Sampling Rate : 3 per second
- Communication Rs485 : Optional
- Protocol : OEN 6V Operated DC relay
- Potential free Contacts : 2 Nos
- Controlling Triacs : Optional
- Microprocessor : 32 Bit Micro

- Memory Load Survey : 256KB
- Password Protection : Hard Coded/Password Protected load Setting
- Error Display : Optional
- RTC : Optional
- IS : Accuracies as per IS
- PCB : Paper Phenolic Fr4 Grade
- IP : 51
- Insulation : 2KV (Is13779)

Communications

- RS-485 port communicates as per MODBUS Protocol & can be easily configured to an Enertrak GSM/GPRS modem for seamless & live data transmission to a host website application.
- The live data can be seen at our website www.meterdekho.com with User ID & Password details.

Connections



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