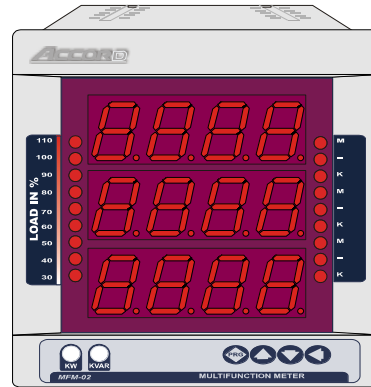


MFM 96 X 96 FLUSH CATALOG

FEATURES:

- By level monitoring of all Electrical Parameters viz.
- V, I, Φ , $\cos\Phi$, Hz, KVA, KVAR, KW & KWH.
- True RMS measurement.
- Available in class of accuracy (0.2s % / 0.2 % / 0.5%).
- User selectable display ranges / PT & CT Primary.
- Auto Scrolling / Manual display.
- RS485 communication port with MODBUS RTU Protocol.
- Front Optical communication port.
(TX & RX LED's are provided on front side.)
- Compatible for data logging & SCADA applications.
- In-built RTC (Real Time Clock) with calendar.



GENERAL SPECIFICATIONS:

- | | | | |
|----|-------------------------|---|---|
| 1 | Version | : | a) Single Phase b) 3 Φ -, 3-wire, 2-element, c) 3 Φ -, 4-wire, 3-element, d) 3 Φ -, 4-wire, 4-element
Specify the version required, while ordering. |
| 2 | Quadrant of Operation | : | 4 |
| 3 | Display. | : | Bright red 7-segment LED display. |
| 4 | Human Machine Interface | : | Through Front Panel Tactile Keys. |
| 5 | Indications. | : | i) Phase Voltage (V P to P), ii) Phase Current, iii) Line Voltage (VL), iv) Frequency (Hz), v) Power Factor (COS Φ), vi) KVA, vii) KVAR, viii) KW, ix) KVAH, x) KVARH, xi) KWH. |
| 6 | Voltage Inputs. | : | Through suitable PT. Primary side: User selectable. Secondary side: 63.5/110/220/440AC Specify any one while ordering. |
| 7 | Current Inputs. | : | Through suitable CT. Primary side: User selectable. Secondary side: 1A / 5A. Specify any one while ordering |
| 8 | Auxiliary Supply. | : | Rated: 85-250V AC/DC OR 48VDC 10%.(With +ve or -ve earthed) |
| 9 | VA burden. | : | 1.5VA on PT from which Aux. Supply is derived. 1VA on each PT for sensing. 0.5VA on each CT. |
| 10 | Frequency Range. | : | 40 to 60 Hz. |
| 11 | Power Factor Range. | : | 0.1 lag – 1 – 0.1 lead. |
| 12 | Over Voltage. | : | 200% for 5 seconds. |
| 13 | Over Current. | : | 2 times continuous, 20 times for 1 second |
| 14 | Class Of Accuracy | : | 0.2s % or 0.2 % or 0.5% as per IEC 60687, IS14697 |
| 15 | Complies to EMI/EMC | : | IEC 61000-4-5,3,4 |
| 16 | Display Resolution | : | Up to 1 decimal. |
| 17 | Output. | : | Single Communication port at rear side with optical isolation. RS485 communication port with MODBUS RTU protocol. |
| 18 | Optional | : | Front Optical communication port. (TX & RX LED's are provided on front side.) |
| 19 | Response time | | 200 milli-seconds. |
| 20 | Optional | : | CT Shorting Terminals |
| 21 | Mounting. | : | Flush, Panel Mounting. |
| 22 | Dimensions. | : | 96x96mm. Panel cut-out: 92x92mm. |
| 23 | Ambient Conditions. | : | Working: 0°C – 55°C, 5 – 95% RH. Storage: -20°C to 70°C. |