



TVM / MDC PCM 9505

COMMON FEATURES

- True RMS measurement
- Simultaneous sampling of voltage and current
- Confirms IS14697 for Accuracy Class 0.5
- Confirms EMI/EMC Standards (CISPR 14, IEC 61000-4-1, IEC 61000-4-2, IEC 61000-4-4, IEC 61000-4-5)
- Direct reading without multiplication factor
- Accurate under harmonic conditions
- Measures 4 quadrant power and 2 quadrant energy
- Low PT, CT burden. (Less than 0.2 VA)
- Suitable for all kind of Balanced & Unbalanced Loads
- Energy storage in EERAM with 10 Years backup
- Built in voltage and current phase analyser for proper connection
- Auto scrolling of displayed parameters
- MD Reset through keypad
- Precision RTC with 10 years backup
- 15 / 30 Minutes selectable for Rising Demand
- Total Harmonic Distortion (THD) display of 3 phase voltage and current
- Optically Isolated RS485 communication output with MODBUS RTU protocol
- RJ45 Ethernet port with MODBUS- TCP protocol (optional)
- Export energy recording (optional)
- Sealed dust proof Enclosure (144(H) x 144(W) x 80(D))
- Panel mounting

User Programmable Features

- Primary value of PT and CT
- CT Secondary 5A / 1A
- PT Secondary 415 / 110V AC
- Three phase delta and Three phase star measurement
- Communication settings like baud rate, parity and stop bit

Time Of The Day (TOD) Meter

- Built in Time of the Day (TOD) Function
- 24 hours 8 slots with 8 individual zones
- Facility to register all the energy consumption kVAh, kWh, kVArh and maximum demand for 8 time zones separately

System Input

- Voltage Input : 30 - 520V AC line to line
- Current Input : 0 - 6A
- Over load capability : 10 times Ib for 5 seconds, 1.5 times Ib continuous
- Starting current : 0.1% of basic current
- Frequency range : 40.00 to 60.00Hz
- Operating PF : 0.00Lag to 0.00 Lead
- Auxiliary supply : 90-270V AC/DC

PCM 9505 (TVM/MDC)

- More than 75 parameters displayed
- Custom made clear and large LCD screen with white / orange / blue backlit
- Display page consists of 3 phase Voltages, line voltages, Currents, kVA, kW, kVAh, Power factor, Frequency, Energy and TOD Energy registers, Demand parameters, MD Histories, Clock and Calendar, Demand profile, Predictive demand, Additional load capacity, Power fail Records and Run hour Data
- Lead power factor lock feature (Lead as Lead or Lead as UPF)
- Multi Tariff Function with Programmable TOD
- Zone Wise MD and Previous five MD history
- Power fail and Power Resume records
- Total Run hour & Load on feature
- Higher Meter constant 3200 Imp / kWh and kVAh for faster testing

- MD controller function inbuilt
- Predictive Demand control relay
- Two control set points for demand
- One set point for energy
- Control history recording
- MD Reset through keypad with password protection
- Add / Removal of Load indication

PCM 7505 (TVM/MDC)

- Accuracy class 0.2
- Complies all the features of PCM 9505
- Most suitable for power and energy measurement in the incomers, wind power applications and energy auditing

APPLICATIONS

- Main LT and HT Incoming Feeders
- Sub-Stations, Power Stations and Captive Gensets
- Wind mill application
- Energy data logging using PC
- Electronic billing system
- Energy Audit application