



**MIP-6**  
Motor Insulation Protection Relay



## MIP-6 Motor Insulation Protection Relay

The MIP-6 monitors deterioration in motor insulation level for low and medium voltage motors. It measures the motors' insulation resistance to ground and displays the actual and average highs and lows along a predefined period of time. The measured range is 0.1-20 Mega Ohms and is available in low and medium voltage versions. Four programmable c/o relays provide digital output signals and an RS-485 communication port provides real time information.



### Advantages at a glance

- Monitors insulation deterioration for Low / Medium voltage motors
- Displays the present and average insulation resistance on LCD
- Monitoring while motors are de-energized
- Automatic operation under default parameters
- Programmable parameters
- Microprocessor based technology
- Alarm / Trip Setpoint in the range of 0.1 to 20 Mega Ohms
- Utilizes up to 48 VDC test voltage to increase personnel safety
- Illuminated LCD display with 2 lines of 16 characters each
- Six keys for easy programming
- Three LEDs for easy status indication
- Deterioration monitoring by storing history with time stamp
- Unauthorized parameter modification prevention
- Four C/O 8 Amp., 250V programmable signaling relays
- Optional analogue 0/4-20mA output for remote reading
- Optional Modbus communication
- Control voltage: 120V  $\pm$  20%, 50/60Hz
- Operating Temperature Range 0°C to +50°C (default - all units)  
-10°C to +60°C (optional)

Two types of units:

- Low voltage unit
- Medium voltage unit with an additional resistor box (up to 7.2kV medium voltage motors)



Medium Voltage Resistor box  
(above 690V)



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