

Meters



Distribution Transformer MDI	C1
Analogue MDI	C2
Digital MDI	C2

Distribution Transformer Maximum Demand Indicators



Type 73D Maximum Demand Indicator mounted on pole adjacent transformer.

The Thermal Maximum Demand Indicators are manufactured in single phase indoor and outdoor units and three phase outdoor units. They are generally used by Power Utilities to measure the maximum demand (load) typically scaled for the HV current on a Street Network Distribution Transformer. These MDIs have been designed to be governed by the same thermal law that determines the heating of the load to which the transformer is connected. Features include manual resetting of the maximum demand pointer, ease of mounting and single or dual (reversible) scales. CTs are available to suit standard bushings.



Model 70D – Single Phase Indoor

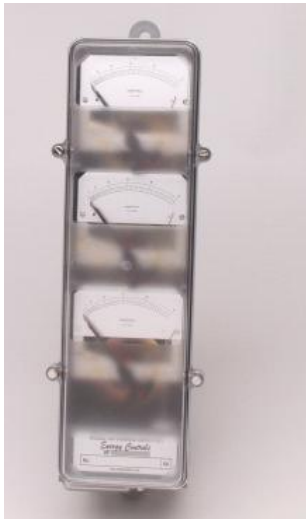
Typically used for monitoring one phase of a Kiosk (Pad mount) transformer substation, these instruments are fitted with bottom connect terminals behind a cover, and external reset mechanism.



Model 70D/OD – Single Phase Outdoor

With an IP56 rating, the 70D outdoor is ideal where single phase monitoring of an outdoor transformer substation is required. The weather resistant cases are fitted with an anodised aluminium mounting bracket, and come with standard 2m fly leads.

Analog MDI



Model 73D – Three Phase Outdoor

Typically used for monitoring three phase currents of an outdoor pole mount transformer substation, these instruments have a separate bottom connect terminal chamber for ease of connection and testing without removing the main cover. The 20mm removable plugs, on either side of the terminal compartment, allow access to the 6mm dia stud terminal. Features:

- Manual reset of maximum demand pointer
- Ease of mounting
- Single or dual (reversible) scales
- Weather resistant cases
- IEC/AS and ISO compliant.
- Flexible lead connections 2m long (or longer leads are available to order)
- Outdoor models are available up to 22kV
- Each unit is stringently tested before delivery

Digital MDI



Model Smart MDI – Three Phase Outdoor

The eMDI is an electronic, smart meter maximum demand indicator that records the maximum demand or highest daily values of phase currents for network distribution transformers. Smart MDI's provide accurate, real time transformer load profile data capture and wireless remote access through a field PC

- Easy installation – no outage required
- Indoor/outdoor mount
- Outdoor power connection not required. eMDIs are battery operated or solar operated.
- Easy maintenance
- IEC/AS and ISO compliant.
- Wireless data collection
- Real time current loading with 2 years data storage.
- Data retrieval includes phase currents, transformer case and ambient temperatures.
- MDI Manager Software is a scalable server based system which records data against a unique identifier assigned to each transformer.
- Over-current and over-temperature alarm