

Micropelt mNODE Sensors

Continuously monitor temperature in busbars and power distribution systems

Micropelt mNODE Professional Kit comes with 10 mNODE sensors, one 2.4 GHz Antenna and one NODE Server.



- Compact design allows easy retro-fit for busbars, switchboards, motor control centres (MCCs) and other power distribution systems
- Maintenance free, easy to configure with Micropelt's PC-Software via a USB-receiver or antenna and server/PLC system
- Precise monitoring of electrical infrastructure, identifying defects at an early stage through trend analysis with user-defined reports
- Boosts system safety and availability whilst minimising downtime
- Powered by inductive energy harvesting
 - Converts magnetic fields to electricity
 - Eliminates need for batteries and replacing them

Micropelt self-powered temperature sensor

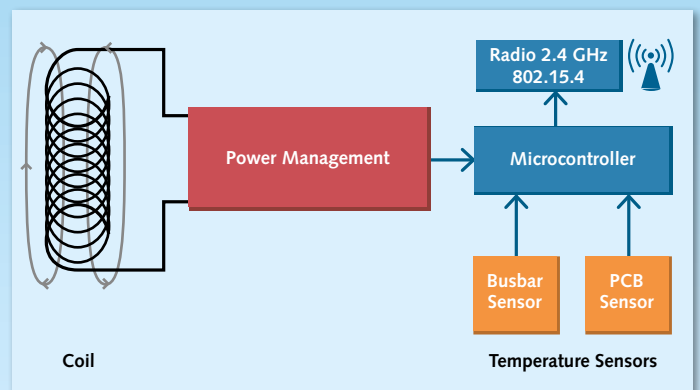
Patented technology converts magnetic fields into electricity, powering wireless sensors

mNODE Technical Specifications:

- Compact design 40 x 40 x 25.4 mm
- Non-conductive plastic housing
- Universal spring clamp for easy attachment
- Inductive energy harvesting powered from stray magnetic fields
- Automated monitoring, 24/7, ready for PLC/BMS or SCADA visualisation
- Temperature measurement range of 0 to 150 °C
- Robust data communication through license free IEEE 802.15.4 radio
- Insensitive to other mNODE sensors operating in close proximity
- Weight approx. 60 g

NODE Server Features:

- Remote access (LAN, WiFi/WLAN, Modbus/TCP)
- Trend chart of temperature data
- Alarm on exceeding user-defined limits
- Latest sensor data readable from CSV file
- External antenna to receive sensor signals



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