

mNODE-R (Rogowski)

Self-powered current and temperature sensor for busbars and power distribution systems



mNODE-R is the next generation development of Micropelt's mNODE temperature sensor technology platform. <http://www.micropelt.com/en/products/mnode.html>
mNODE-R sensor allows **precise and continuous current and temperature measurement** on low voltage busbars and electrical equipment. mNODE has been designed to easily integrate in standard low and medium voltage systems to allow early detection of failures and abnormal behavior. Longer term trend analysis enables increased availability through condition monitoring. Allows automated monitoring, 24/7, ready for PLC/BMS or SCADA visualization.

- Inductive energy harvesting generates electrical energy from magnetic stray fields
- Early start from 50 A current (at busbars from 10 mm x 30 mm width).
- Rapid and easy retrofit
- Current measurement range 50 A – 5000 A
- Temperature measurement range 0–150 °C
- USB receiver for easy integration into PLC/BMS, visualization, monitoring, alarming functions
- Robust data communication through license-free 2.4 GHz radio, IEEE 802.15.4
- Small, compact design, fitted within seconds: 40 x 40 x 25.4 mm, 60 gr



IMPORTANT NOTE: Micropelt is solely concentrating on product design and does not mass produce any mNODE sensors. Please get in touch for your design variation and product requirements.

Reference design available at: Micropelt - A brand of EH4 GmbH
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