

Contactless Current Meter (CCM)



Monitor Current Without Cutting Wires

Most current transformers require you to have access to an individual wire. This is not practical where you have the live, neutral and earth wires in a single sheath. The AKCP Non-Invasive current meter allows you to monitor current (and power if you have a reference voltage) in 2 core or 3 core cables. Our unique current measurement technology makes measuring individual IT rack current and power simpler, and lower cost than ever before.

Combine the Non-Invasive current meter with cabinet thermal map sensors. Using our AKCPro Server combine current load, thermal map and differential air pressure and analysis.

Benefits

- No downtime for installation
- No electrician required
- Input for PUE calculations
- Rack level current monitoring
- Accurate +/- 5%
- Input for AKCP sensorCFD



CCM - Technical Specification

Measuring Specifications	
Status Indication	LED indication for power LED array for calibration
Inputs	Magnetic field sensing of current in multicore cable
Accuracy	+/- 5% when factory calibrated on cable of same type +/- 10% on non-factory calibrated cable
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
Operating Environment	Temperature : Min. -35° C – Max.80° C Humidity: Min. 20% – Max. 80% (Non-Condensing)
Interface	
Communications cable :	RJ-45 jack to sensor using UTP CAT5e cable
Power source :	Powered by the controller unit. No additional power needed
Power Consumption :	Typical 7.25mWatt, 1.45mA
Maximum Cable Length :	50ft using standard CAT5/6 UTP cable
Dimensions	49(W) x 45(H) x 51(D) mm
Mounting	Cable Mounted
Sensor count	1

CCM - Technical Drawing

