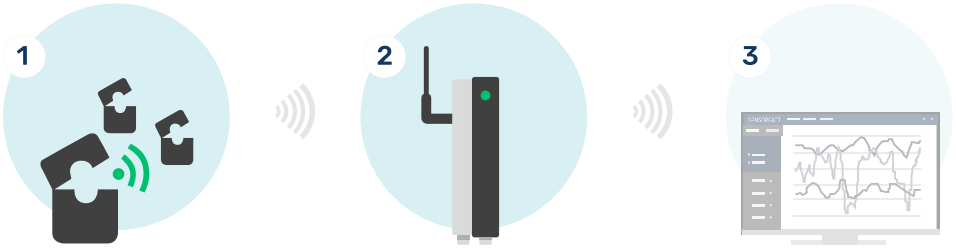
Hardware specifications

SENSORFACT



Sensors | Bridges | Sensorfact Software

KEY FEATURES

Sensorfact EMS main elements	**Sensors - Bridges (gateways) - Sensorfact Software**
Sampling Frequency	1 measurement per 30 seconds
Data availability	Real-time, throughout subscription period
Installation Impact	Clamps clip around cables with no interruption to electrical supply
Production Details	Produced in Europe

OPERATIONAL

Current	Alternating Currect (AC), 50-60hz
Radio Frequency	868MHz (EnOcean protocol)
Environment	Indoor use
Calibration required?	Calibration not required
Data transmission	Wirelessly and securely through AES-128 encryption
Operating temperature range & humidity range	-5°C to +40°C; 85% RH
Wireless range (dependent on obstructions)	Varies between 1 and 10 meters.
Power supply to bridge	5V power adapter
Power supply to sensor	Energy harvesting, no external supply required
Material	Nylon 66
Phase applicability	1-phase and 3-phase

BRIDGES

Connectivity	WiFi - Ethernet - LTE (4G)
Cloud transmission	VPN - SSH
Sensor Pairing	Automatically
Dimensions	120mm x 60mm x 40 mm

SENSORFACT

SENSORS

1-phase

Types	60A	200A
Measurement range	1A-60A	2A-200A
Accuracy	0.1A or 2%, whichever is greater	0.1A or 2.5%, whichever is greater
Maximal cable diameter	10mm	24mm
Clamp dimension	25mm x 22mm x 35mm	35mm x 45mm x 65mm
Case (transmitter) dimension	80mm x 55mm x 20mm	

3-phase

Types	60A	200A	600A
Measurement range	1A-60A	2A-200A	2A-600A
Accuracy	0.1A or 2%, whichever is greater	0.1A or 2.5%, whichever is greater	1A or 3%, whichever is greater
Maximal cable diameter	10mm	24mm	36mm
Clamp dimension	25mm x 22mm x 35mm	35mm x 45mm x 65mm	65mm x 41mm x 85mm
Case (transmitter) dimension	80mm x 55mm x 20mm		

SECURITY AND COMMUNICATION

Conformity and standards	CE (EU); RoHs Compliant 2002/95/EC (EU)
Communication Encryption	TLS 1.2 security layer (no SSL)