

## iMeter Sensor Specifications



www.jakarta.com



+44 (0) 1672 511125



info@jakarta.com

### Temperature Sensor (with Metal Casing)

Operating Range: -40°C - +75°C	Power Requirement: Powered by host device
Threshold Range: -55°C - +75°C	Connector Type: RJ45
Accuracy: +/- 1°C	Interface Cable Length: Max. 30m



### Temperature/Humidity Sensor

Operating Range: 0°C - +75°C / 0–100%	Power Requirement: Powered by host device
Threshold Range: 0°C - +75°C / 0–100%	Connector Type: RJ45
Accuracy: +/- 1°C	Interface Cable Length: Max. 30m



### Thermocouple Sensor (Extreme Temperature)

Operating Range: -200°C - +500°C	Power Requirement: Powered by host device
Threshold Range: -200°C - +500°C	Connector Type: RJ45
Accuracy: +/- 5°C	Interface Cable Length: Max. 30m
Thermocouple Type: J & K Type	



### intelliAmp Current Sensor for 16 & 32A Cables

Detector Type: Non-intrusive Current Clamp Sensor	Power Requirement: None
Sampling Rate: 10,000 per second 50Hz	Connection Type: RJ45
Interface Cable: 10m max.	Monitoring Type: True RMS
Cable Compatibility: 16/32A Cables. AWG12, AWG14, 3G4 and 3G2.5 3-core power cable up-to 13.6mm diameter	



### intelliVolt

Detector Type: Voltage Level Sensor	Power Requirement: AC Mains (110 - 240V)
Detector Input: IEC socket	Connection Type: RJ45
Interface Cable: 30m max.	Threshold Range: 0-265V
Accessories: IEC power cable (UK/EU/US/IEC - region dependent)	



### Dry-Contact Cable (Input/Output)

Detector Type: Dry-Contact	Power Requirement: None
Detector Input: Connects to third-party DC output	Connection Type: Volt-free dry contact
Interface Cable: 30m max.	Normal State: Dependent on connected device



## Water Leak Detector

Detector Type: Rope	Power Requirement: None
Detector Rope Length: 30m max.	Connection Type: RJ45
Interface Cable: 30m max.	Normal State: Normal Open (auto-sensed)
Accessories: Cable clips	



## Smoke Detector

Detector Type: Ionisation	Power Requirement: 12V PSU (supplied)
Alarm Indicator: RED LED	Connection Type: RJ45
Interface Cable: 30m max.	Normal State: Normal Open (auto-sensed)
Accessories: Mounting screws, installation guide	



## Security Sensor

Detector Type: Magnetic Reed Switch	Power Requirement: None
Detector Input: Standard IEC C14 socket	Connection Type: RJ45
Interface Cable: 30m max.	Normal State: Dependent on sensor installation
Accessories: Screws for installation	



## Voltage Detector

Detector Type: Presence of power	Power Requirement: AC Mains (110 - 240V)
Detector Input: Standard IEC C14 socket	Connection Type: RJ45
Interface Cable: 30m max.	Normal State: Normal Closed (auto-sensed)
Accessories: IEC power cable (UK/EU/US/IEC - region dependent)	



**Disclaimer :** Please note that the iMeter and its sensors are only intended for monitoring environments and should only be used for that purpose. The iMeter and its sensors should not be used in safety-critical applications or relied upon as human safety devices.

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