Jacarta

iMeter Sensor Specifications

ESIS Industrial Electronics
www.esis.com.au
Ph 02 9481 7420
Fax 02 9481 7267
esis.enq@esis.com.au

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)	

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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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