



AMS HADEN

INSTRUMENT AND MINING SERVICES PTY LTD

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IoDust

External Interfaces

Input Power: 10-30V input Voltage

2.8" LCD Screen: Non touch screen to display Dust measurement.

4-20mA Output: Non loop powered 4-20mA channel – Configurable to output any of the measurements: PM1.0, PM2.5, PM10 or TSP

RS485 Modbus RTU: RS485 channel to configure device and output all measurements within the device

Potential Free NO Relay: Relay connector to trigger external Alarm – Max 24V 1A.

Dust Measurements

Types of Measurements: PM1.0, PM2.5, PM10 and TSP (Total suspended particles)

Measurement Range: 0-30 000 ug/m³

Accuracy: PM1.0/PM2.5: < 50ug/m³: ±5µg/m³; 50-1000µg/m³: ±10% PM10: ≤100µg/m³: ±15µg/m³, 100-1000µg/m³: ±15%

Reading TSP: ≤100µg/m³: ±20µg/m³, 100-1000µg/m³: ±20%Reading

Environment

Working environment: The IoDust is designed to work above and below ground.

Operating Temperature: -10 - 70 °C

Operating Humidity: 50±10% - For higher humidity environments a heater needs to be added.

WiFi Connectivity

IoBridge: An IoBridge can be added externally to the IoDust to enable WiFi communications to IoFlow Cloud platform.

Enclosure

Material: Grey Polycarbonate

IP Rating: IP68

Dimension: 119 x 91 x 62mm

Mounting: Plastic Enclosure has mounting flanges on the side

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