¼ DIN 10-Channel Automatic Temperature Scanner

DP1001AM

1 YEAR WARRANTY $C \in$

- ✔ **Large Backlight Dual LCD**
- ✔ **J, K, T, E Thermocouple Inputs**
- ✔ **Latching High/Low Limit Alarms**
- ✔ **5 Amp Relay Output**
- ✔ **Auto or Manual Scanning**
- ✔ **Adjustable Scan Rate**
- ✔ **RS232 Interface (2 Wire)**
- ✔ **Free Software**
- ✔ **9 Vdc Power (AC Adaptor Included)**

The DP1001AM microprocessor-based 10-channel scanner accepts the same thermocouple input type for each input. Each channel can be manually or automatically scanned and active zones are displayed. Instrument is programmable for J, K, T or E thermocouple input types, degrees °C or °F, and scan rate between 2 to 60 seconds. Each channel has individual, independent and programmable alarm setpoints with alarm indicator. Memory and setpoints are retained when power is off.

The RS232 communications (2 wire configuration, transmit/ground) can monitor up to ten channels and software is included with every unit. A single output latching form C relay is provided to activate for an alarm condition on any zone. The instrument shows alarm condition for each channel on front display. The alarms are latching and are reset manually from the front panel.

OMEGACARE
Extended Warranty Program

DP1001AM, shown actual size.

SPECIFICATIONS

Thermocouple Temperature Ranges:
   Type J: -50 to 1000°C (-58 to 1832°F)
   Type K: -50 to 1370°C (-58 to 2498°F)
   Type T: -120 to 400°C (-184 to 752°F)
   Type E: -50 to 759°C (-58 to 1382°F)
Input: Type J, K, T or E thermocouple
Output: 5 A SPDT relay @ 250 Vac resistive
RS232: Transmit only, 2 wire configuration, transmit and ground connections, one way communications only
Alarm Type: Hi/Lo, latching, manual reset
Power Requirements: 9 Vdc, 200 mA

(115 Vac adaptor included)
Power Consumption: 1.8 watts
Accuracy: ±0.15% of reading, ±1°C (±1.8°F)
Display: LCD, backlight, PV, SV and status indicators, 4-digit, PV 1.4 cm (0.56")
Resolution: 0.1 (< 1000), 1 (> 1000)
Memory Backup: Nonvolatile memory
Ambient Operating Temperature: 0 to 50°C (32 to 122°F)
Storage Temperature: 0 to 50°C (32 to 122°F)
Weight: 374 g (12 oz)
Dimensions: 89 H x 83 W x 95 mm D (3.50 x 3.27 x 3.75")
Panel Cutout: 92 x 92 mm (3.622 x 3.622")

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To Order *Visit omega.com/dp1001am for Pricing and Details*

Model No.	Description
DP1001AM	10-channel automatic temperature scanner

Accessory

Model No.	Description
CNQUENCHARC	Noise suppression RC snubber (2 leads), 110 to 230 Vac

Comes complete with software, AC adaptor, and operator's manual
***Ordering Example: DP1001AM,** 10-channel automatic temperature scanner.*
***OCW-3,** OMEGACARE℠ extends standard 1-year warranty to a total of 4 years.*