

CAL 3300

Temperature Controller with Single Program

1/32nd DIN (45 x 22.5mm panel mounting cut-out)



Features

- Full PID auto-tuning
- Sleeve mounting for easy fitting
- Bright LED displays
- IP66 protection from front panel
- Dual-outputs
- CE, UL & CSA approvals
- Alarms with 5 options
- 3-year warranty
- PID heat-cool
- Configuration and monitoring software option
- One Ramp & Soak

Standard Model (PROCON3300)

Low Voltage Model (PROCON330012V)

For addition Input and Output options and prices please contact us with your requirements.

We can also supply sensors and provide UKAS calibration please contact us for details.

Input: Thermocouple Mode

9 types: Type B,E,J,K,L,N,R,S,T
Standards: IPTS/68/DIN 43710
CJC rejection: 20:1 (0.05°C) typical
External resistance: 100Ω maximum

Input: Resistance Thermometer Mode

RTD-2/Pt100: 2 wire
Standards: DIN 43760 (100Ω 0°C/138.5Ω 100°C Pt)
Bulb current: 0.2mA maximum

Input: Linear Process Mode

mV range: 0 - 50mV, 0 - 20mV or 4 - 20mV

Applicable to all inputs

Calibration accuracy: ±0.25% sensor maximum ±1°C
Sampling frequency: input 10Hz, CJC 2 sec.
Common mode rejection: Negligible effect up to 140dB, 240V, 50-60Hz
Series mode rejection: 60dB, 50-60Hz
Temperature coefficient: 150ppm/°C sensor maximum
Reference conditions: 22°C ±2°C, rated voltage after 15 minutes settling time.



Output Devices

Outputs: SSR Driver & Relay (2 Relay and 2 SSR models are also available, contact us for details)
SSR Driver: Solid State Relay Driver: To switch a remote SSR 5Vdc +0/-15% 15mA non-isolated.
Relay: form A/SPST contacts (AgCdO) 2A/250ac resistive load

General

Displays: 4 digits, high brightness green LED 10mm (0.4") high.
Digital range -199 to 9999 or Hi-res mode -199.9 to 999.9
LED output indicators – flashing SP1 square, green; SP2 round, red.
Keypad: 3 elastometric buttons.

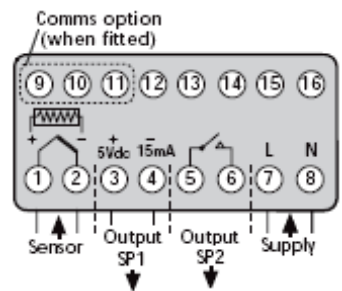
Environmental

Ambient: 0-50°C (32-130°F), 80% max humidity
Altitude: up to 2000m
Installation: Categories II and III
Pollution: Degree II
Protection: NEMA 4X, IP66
EMC emission: EN50081-1 FCC Rules 15 subpart J Class A
EMC immunity: EN50082-2
Mouldings: Flame retardant polycarbonate

Supply Voltage Options

Standard Model: 100 - 240Vac, 50 - 60Hz, ±10%
Low Voltage Model: 12 - 24V AC or DC, ±20%

Communication Modules for connection to a PC
RS-232 or RS-485 comms and CALgrafix software are optionally available, contact us for more details.



Dimensions

Front facia: 51.0 x 28.5 (includes gasket)
Sleeve length: 106.7mm (with gasket fitted)
Instrument body: 44.8 x 22.0mm
Overall length: 116.2mm
Weight: 110g

TMS Europe Ltd,
Unit 10, Stretfield Mill, Bradwell,
Hope Valley,
S33 9JT

Tel: 01433 620535
Fax: 01433 621492
Email: sales@tms europe.co.uk
Web: www.tms europe.co.uk
www.tmswebshop.co.uk

