

# DIGITAL TEMPERATURE CONTROLLER DTM 703C



## NEW FLAMEPROOF DIGITAL TEMPERATURE CONTROLLER

GET THE BENEFIT OF LATEST DIGITAL  
TECHNOLOGY AT A SURPRISINGLY  
ATTRACTIVE OWNERSHIP COST



### Features

- Compatible with 21 CFR Part 11 SCADA software.
- State of the art Microprocessor based fault tolerant design.
- High brightness 4 digit LED display
- Wide range, -100 to +400°C
- Resolution of 0.1°C over full range
- Built in Sensor Non Linearity correction to DIN 43760
- Single / Two point Software Calibration
- **Dead Band HEAT / COOL Control**
- **Independent FAIL SAFE V.HI / V.LO SAFETY ALARM**
- Non Volatile memory for Calibration data retention
- Flameproof Gas Gr.II A, B enclosure.
- Digital Communication Interface on RS485 MODBUS

### Technical Specifications

1. **Input** : RTD PT100 DIN 43760
2. **Measurement range** : -100 to + 400 °C
3. **Display** : 4 digit High Brightness 0.56" LED
4. **Display Resolution** : 0.1°C
5. **Accuracy** : 0.1% Span  $\pm$  0.2 °C
6. **Calibration** : 1 or 2 point calibration
7. **Control** : Dead Band Control, Programmable HEAT / COOL
8. **Alarm** : Independent FAIL SAFE V.Hi / V.Lo Alarm
9. **Instrument Power** : 230V AC  $\pm$  10%, 5VA, 50 Hz
10. **Communication** : Multidropping RS 485 **MODBUS RTU** Protocol
11. **Enclosure** : Flameproof to gas Gr.II A,B
12. **Operating Temperature** : 0 to 50 °C
13. **Operating Humidity** : 0 to 80 % ( Non Condensing )
14. **Mounting** : Wall Mounting

Specifications subject to change without prior notice

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