

# DigiTemp

## DCT150MV2 & DCT500MV2 DIGITAL THERMOMETERS FOR TANKS AND TANK CONTAINERS

The DigiTemp range of thermometers provide reliable, economical and accurate temperature monitoring for tanker and tank container operators with a wide temperature operating range from -200°C to +250°C and a battery life of over ten years and a temperature update every 8 seconds.

### KEY FEATURES

- Large Highly visible LCD display
- Guaranteed for 5 years and battery life of over ten years
- Durable, tough GRP case that is waterproof to IP67 and which eliminates surface electrochemical corrosion problems.
- Polycarbonate impact resistant front face
- Easy installation – drilled for pop rivet or screw fixing
- Suitable for new and older tanks as replacement for mechanical thermometers
- No moving parts to fall off or wear out
- Min/Max display[Option] can be used with security key
- Data logging option for later download
- Secondary output option for satellite monitoring to interface with third party equipment.



### APPLICATIONS

The DigiTemp Digital Electronic Tank Thermometers are used in the transportation of hazardous and non-hazardous chemicals, pharmaceuticals, food products and beverages to monitor temperatures at all stages of product transportation from initial fill through to delivery. The unit monitors temperature using a rugged compact PT1000 sensor on the end of a flexible lead which can be either directly mounted on the metal surface of the tank or within a thermowell. The display is surface mounted on the exterior of the tank with an easy to read large size digital display which continuously shows temperature in degrees Celsius.

# DigiTemp

DCT150MV2 & DCT500MV2  
DIGITAL THERMOMETERS FOR  
TANKS AND TANK CONTAINERS



## TECHNICAL SPECIFICATIONS

### Input and Display

Range	-50°C to +150°C (optional Fahrenheit, °F configuration)
Sensor	PT1000 (ø6 mm, 50mm long sheath Stainless steel)
Accuracy	-200°C to +250°C typically 1°C +/- one digit
Sample Time	8 secs
Lead Length	1 metre (customised length up to 15m available upon request)
Display	4 Digits, 7 segment LCD
Resolution	1°C

### Mechanical Data

Dimensions	ø150 x 40 mm
Fittings	6 fixing holes (ø = 4) equispaced on a 135mm PCD
Enclosure	GRP (Polycarbonate front face)
Protection class	IP67

## ORDER CODES

PART NO.	DESCRIPTION
<b>DCT150MV2</b>	Digital electronic thermometer ranging from -50°C to +150°C with PT1000 sensor
<b>DCT150MV2 DUAL</b>	Provides secondary output to interface with third party equipment
<b>DCT500MV2</b>	Digital electronic thermometer ranging from -200°C to +250°C with PT1000 sensor
<b>DCT500MV2 DUAL</b>	Provides secondary output to interface with third party equipment
<b>DCT500M/SS</b>	Stainless steel tank fitting for high temperature conditions
<b>Thermowell</b>	Sensor fitted to 1.5m ½" od stainless steel tube (type 316) for internal fittings
<b>DCTHSC</b>	Highly conductive silicone for fitting sensors to tank surfaces to give optimal conductivity, 100g tube

## EQUIPMENT / SERVICE OPTIONS

Extended temperature range of -200° to +250°C

Stainless steel fitting for high temperature conditions (+150°C)

Customised stainless steel thermowells

Low cost refurbishment service to 'as new' condition for extended product life

Optional Fahrenheit (°F) display

### Engineering

Quantum Cryogenics  
Unit 13 Langley Business Court  
Worlds End  
Newbury  
Berkshire RG20 8RY

### Service

Quantum Cryogenics  
Unit 1A Ethmar Court  
Mid Devon Business Park  
Willand  
Devon EX15 2FB

### Head Office

Quantum Cryogenics  
Unit B Cranmere Court  
Exeter Road Industrial Estate  
Okehampton  
Devon EX20 1UE

