

DIESEL EXHAUST THERMOMETERS



The Rototherm range of diesel exhaust thermometers provide an accurate and reliable indication of the exhaust gas temperature of diesel engines and generators. The stem is fitted with a unique anti resonant section which damps out vibration of the instrument head, and eliminates the need for oil filling.

The use of the capillary type enables all the dials to be located on a single panel to provide immediate visual comparison of the performance of each cylinder.

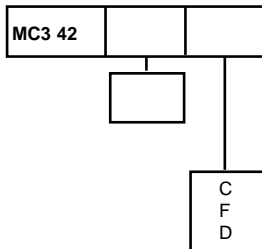
The standard dial type can be surface or panel mounted.

The standard bulb and stem is supplied fitted with a compression gland fitting, 1/2" BSP which allows the bulb to be adjusted for any length from 100mm to 230mm. Standard capillary length is 3 metres long and protected by flexible stainless steel armour.

Technically advanced features in design, coupled with strict quality control results in a thoroughly dependable instrument which is widely accepted for Naval service throughout the world. Quality control complies with Ministry of Defence assurance requirement specified in Defence Standard AQAP 4.

CAPILLARY TYPE ORDERING CODE

Mercury in Steel
Capillary Thermometer

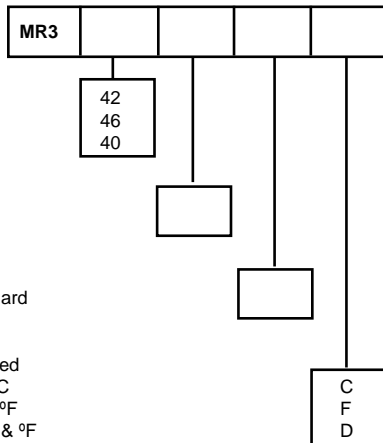


CAPILLARY LENGTH
Specify length in metres, 3m is standard

TEMPERATURE RANGE
Insert temperature range required
0 / 650°C
0 / 1200°F
Dual °C & °F

CAPILLARY TYPE ORDERING CODE

Mercury in steel rigid
stem diesel thermometer



STEM ENTRY
Bottom entry
Back entry
Non standard entry

STEM DIAMETER
Insert 15.9 or 12.7mm

STEM LENGTH
Insert stem length in mm.
300, 400 and 500mm are standard

TEMPERATURE RANGE
Insert temperature range required
0 / 650°C
0 / 1200°F
Dual °C & °F

CAPILLARY SPECIFICATION

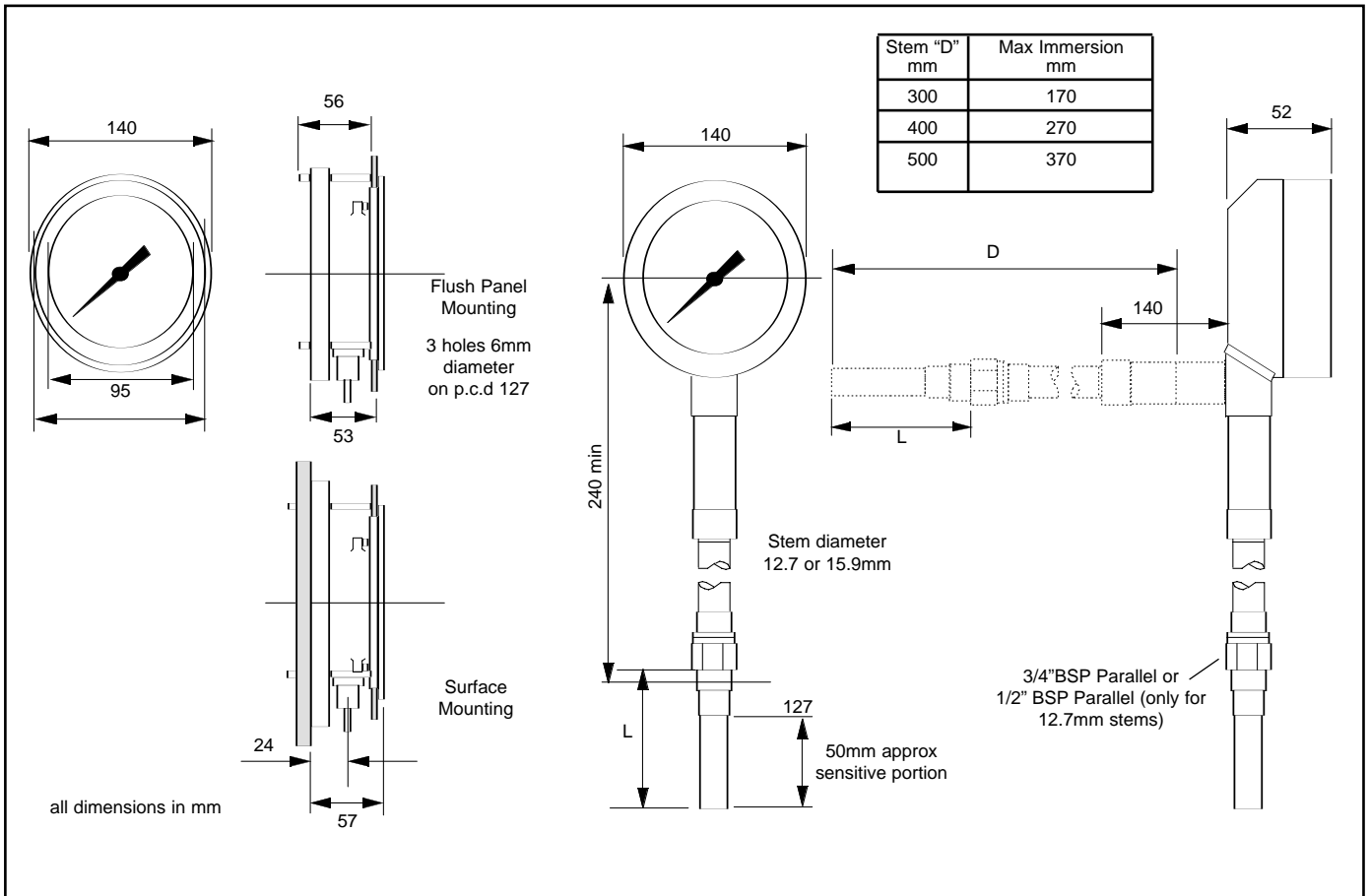
Case & Bezel	Diescast aluminium, finished black, suitable for flush or panel mounting.
Dial	100mm diameter (nominal) marked with black characters on white background.
Window	Glass
Bulb material	Mild steel
Bulb dimensions	12.7mm diameter. 292mm length with 1/2" BSP gland. Sensitive portion, 50mm approx. indicated by shallow waisting.
Capillary	Microbore steel tube, with 6.3mm diameter flexible stainless steel armour 3 metres long as standard. Other lengths available in increments of 1 metre to a maximum of 30 metres.
Temperature Ranges	0/650°C, 0/1200°F or dual scale
Accuracy	±+% FSD
Ambient Temperature	Head compensated for variation in ambient temperature from -30 to +50°C
Movement	Direct acting bourdon tube with bimetallic compensator
Weight	1.7kg (approx) with 3 metre capillary

RIGID STEM SPECIFICATION

Case & Bezel	Glass-filled polyester resin, non-toxic, fire retardant, finished black
Dial	100mm diameter (nominal) marked with black characters on white background.
Window	Glass
Stem material	Mild steel
Bulb dimensions	12.7mm or 15.9mm diameter. with 12.7mm bulb and antiresonant head section
Immersion	Minimum immersion, 100mm
Stem Lengths	300, 400 and 500mm are standard
Temperature Ranges	0/650°C, 0/1200°F or dual scale
Accuracy	±+% FSD
Ambient Temperature	Head compensated for variation in ambient temperature from -30 to +50°C
Movement	Direct acting bourdon tube with bimetallic compensator

CAPILLARY TYPE DIMENSIONS

RIGID STEM DIMENSIONS



Rototherm
instrumentation and control

British Rototherm Co. Ltd.,
Kenfig Industrial Estate, Margam,
Port Talbot, West Glamorgan,
SA13 2PW, United Kingdom
Tel: 01656 740551 Fax: 01656 745915
E-mail: rototherm@rototherm.co.uk
Web site: www.rototherm.co.uk



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Registration
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