

TRIBAR

TOTAL METER PACKAGE

DESCRIPTION

The **TRIBAR** is the established and proven flowmeter from Torbar Flowmeters Ltd, the company that developed and perfected the **TORBAR** technology.

The **TRIBAR** is an accurate insertion flowmeter comprising of an integral 3 valve manifold and industry standard transmitter connected to a **TORBAR** averaging insertion element.

The **TRIBAR** is suitable for the flow measurement of most liquids and gases at process temperatures of less than 160°C. It is not recommended for steam flow due to the temperature specification of the transmitter. This restriction of use applies to all flowmeters of this type.

For steam flow and other applications which fall outside of the **TRIBAR** specifications, the transmitter and manifold should be mounted remotely from the **TORBAR** as shown on page 13. Please contact TFL or agent for details.

The **TRIBAR** concept provides several economic and operational advantages.

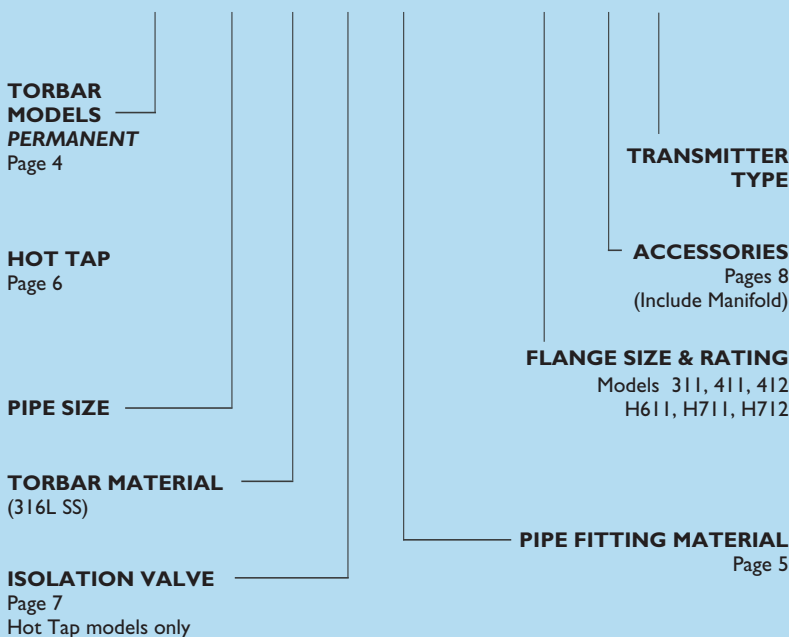
- SIMPLE ONE OR TWO HOLE INSTALLATION
- COMPACT CONSTRUCTION
- LOW PRESSURE LOSS/LOW OPERATING COSTS
- COMPETITIVE PRICING
- ZERO TRANSMISSION LAGS

The **TRIBAR** is available **WITHOUT** the transmitter which can be fitted by the customer (or TFL agent). For this optional arrangement specify a standard **TORBAR** with DM3V (integral manifold) option (see page 8). Also specify the manufacturer and type of transmitter to be fitted.



MODEL CODING

T XXX - XXX - XX - XX - XX - 000 - XXX - XXX - XXX



TEMPERATURE MEASUREMENT

The **TRIBAR** can be supplied with an RTD element with or without a Transmitter. Refer to page 8 code NRTB or NRTT. Also see page 13 for typical application.

INSTALLATION & LOCATION

For basic information about the installation and location of the **TRIBAR** refer to page 12.

SPECIFICATIONS & OPTIONS

- FLOWMETER TYPE: Insertion
- REFERENCE ACCURACY: +/- 1.25%
- REPEATABILITY OF MEASUREMENT: 0.1%
- FLOW TURNDOWN: 10:1
- PIPE SIZES: 5 to 4000mm
- INTEGRAL MANIFOLD: 3 valve-stainless steel
- PROCESS MOUNTING: Compression or flanged
- INSTALLATION OPTION:
By Hot-tapping under pressure
- WETTED PARTS: 316 stainless steel
- MAXIMUM PRESSURE:
300 bar
- MAXIMUM TEMPERATURE: 160°C at process

DP TRANSMITTER PROGRAMMABLE AND SMART

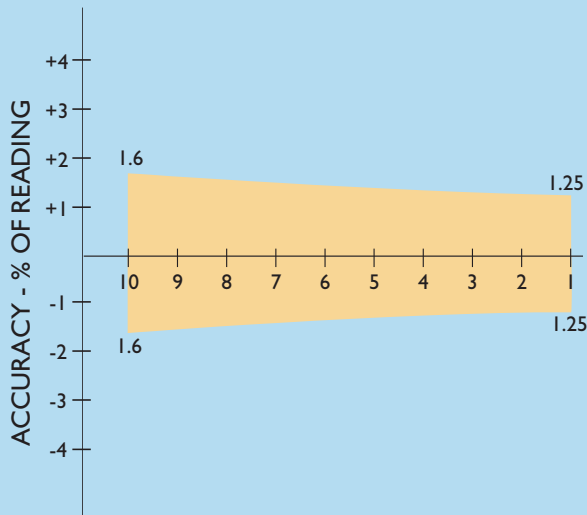
- SUPPLY: 11V - 45 VDC (AC optional)
- OUTPUT: 4 to 20 mA with Hart 5.1 superimposed (optional PROFIBUS PA)
- MINIMUM DP RANGE: 0-1 mbar to 0-20 mbar
- CERTIFICATION: Intrinsically Safe Exiallc T4/T5/T6
- ELECTRONICS HOUSING:
Coated die-cast Aluminium (option stainless steel)
- INGRESS PROTECTION: IP65 (option IP68)
- CABLE ENTRY: M20 X 1.5 cable gland
- CALIBRATION CERTIFICATE: Available as option
- NACE CERTIFICATE: Available as option

EASIER ON-SITE COMMISSIONING WITH CURRENT GENERATOR OUTPUTS (3.6, 4, 12, 20mA)

SIMPLE PUSH BUTTON CALIBRATION WHICH CAN BE USED IN HAZARDOUS AREAS

FULL WARRANTY COVER BY TFL SUPPORTED BY AGENTS WORLDWIDE

FLOW TURN DOWN



PRESSURE LOSS

