

*Furness Controls Limited*

# PITOT STATIC TUBES

FCO65/66

A range of  
high precision elements  
for calibrated airflow  
measurement



- Stainless steel construction
- Low pressure loss
- Optional thermocouple for temperature correction
- High temperature versions: <math>< 500^{\circ}\text{C}</math>
- Complete with fittings for easy installation
- Available to suit most diameter pipes/ducts

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### Description

FCO65 series Pitot Tubes have a classical design with 'hemispherical nose' and bent shaft. Constructed of stainless steel with brass fittings the tubes can be supplied in a range of diameters and lengths to suit any application. A K factor of 1.00 gives calibrated differential pressure readings for air and gas flows. Tubes are available with a range of fittings for installation into ducts or pipes or can be hand-held for measurement of free air velocity. The option of integral thermocouple allows automatic temperature measurement and correction.

FCO66 series Pitot Tubes (fore and aft static pressure) have a straight shaft with single points up and downstream in the flow to create an enhanced differential pressure with

K factor of 1.800. This design has the added benefit of being bi-directional allowing reverse flows to be measured. FCO66 tubes are supplied complete with fittings for permanent installation. The option of an integral thermocouple allows automatic temperature measurement and compensation via a suitable transmitter.

### Installation

FCO65 series Pitot Tubes should be installed in pipe/duct runs with 10 straight pipe diameters upstream and 5 downstream.

FCO66 series Pitot Tubes, when used bi-directionally, should be installed with 10 straight pipe lengths in either direction. The tubes angle should be adjusted to face the flow stream at 90°.

### Standard Configuration Pitot Tubes

FCO65	
TOTAL SHAFT LENGTH (MM)	TUBE DIAMETER (MM)
250	2
200	4
250	4
300	6
500	6
750	6
1000	10
2000	25

OPTIONS TO BE SPECIFIED: HIGH TEMPERATURE CONSTRUCTION, INTEGRAL THERMOCOUPLE, STUFFING BOX AND LOCKING GLAND (BSP OR NPT)

FCO66	
TOTAL SHAFT LENGTH (MM)	TUBE DIAMETER (MM)
300	6
500	6
750	6
1000	10
2000	10

OPTIONS TO BE SPECIFIED: BSP OR NPT STUFFING BOX & LOCKING GLAND FITTINGS, HIGH TEMPERATURE CONSTRUCTION, INTEGRAL THERMOCOUPLE

Agents Stamp:

CP12694.10.03

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*Furness Controls has a UKAS certified laboratory which offers pressure calibrations from 0 to 40 kPa and Flow from 2 ml/min to 2000 litres/min*



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