Pipewall Thickness Transducers
FLUXUS® ADM Accessories

- **Pipewall thickness transducers for portable ultrasonic flowmeters**

- **Automatic sensor recognision**

- **Calibrated transducers**

- **Type DA301 for normal temperature applications**

- **Type HT400 for high temperature applications**

Specification

Type DA301

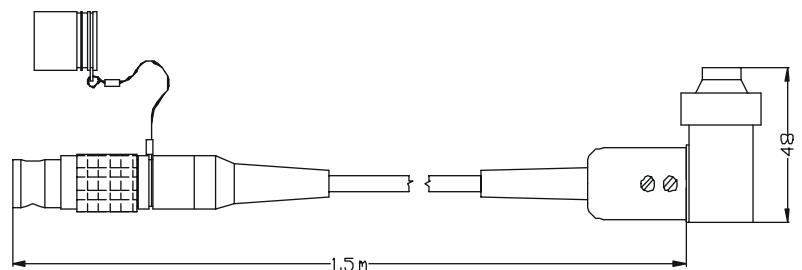|	
Temperature range	: -20 ... 60 °C
Measuring range	: 1.0 ... 200 mm
Resolution	: 0.01 mm
Linearity	: 0.1 mm
Cable length	: 1.5 m

Type HT400

Temperature range	: 0 ... 200 °C (540 °C for short periods)
Measuring range	: 1.0 ... 200 mm
Resolution	: 0.01 mm
Linearity	: 0.1 mm
Cable length	: 1.5 m

Description

The FLUXUS range of non-invasive flowmeters utilises ultrasonic technology for the accurate flow measurement of liquids in full pipes.

The pipewall thickness is not always a known quantity when using clamp-on ultrasonic flowmeters. As the pipewall thickness is a critical parameter for flow measurements, pipewall thickness transducers can be supplied as accessories together with the portable ultrasonic flowmeter FLUXUS ADM.

The pipewall thickness transducer are connected to the flowmeter at the flow sensor connection port.

As soon as the pipewall thickness transducer is connected to the flowmeter, the FLUXUS unit switches automatically into wall thickness measuring (WTM) mode with automatic recognition of the sensor type and serial number. Standard materials do not need to be calibrated when using the flowmeter model FLUXUS ADM 6725.

In order to take wall thickness readings, the wall thickness transducer requires to be pressed against the pipe wall using some acoustic coupling component. The wall thickness values are indicated on the LCD display of the FLUXUS ultrasonic flowmeter.

Dimensions

Type DA301

Type HT400