

Pipewall Thickness Gauges

KATflow Accessories

- Pipewall thickness transducers for portable ultrasonic flowmeters
- Automatic sensor recognition
- Calibrated transducers
- Type NT for normal temperature applications
- Type HT for high temperature applications

Description

The **KATflow** 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 **KATflow 220**.

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

Specification

Type NT

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 HT

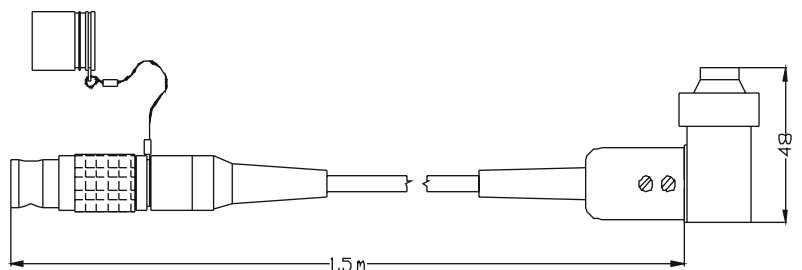
Temperature range : 0 ... 200 °C (540 °C for short periods)
Measuring range : 1.0 ... 200 mm
Resolution : 0.01 mm
Linearity : 0.1 mm
Cable length : 1.5 m

As soon as the pipewall thickness transducer is connected to the flowmeter, the **KATflow** 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 **KATflow 220**.

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 **KATflow** ultrasonic flowmeter.

Dimensions

Type NT



Type HT

