

Model no. 1049

## WALL THICKNESS MEASURING UNIT



According to

ISO 3126

The wall thickness gauge model 1049 enables the measuring of the wall thickness of pipes with high accuracy. The measuring is conducted with a high-precision gauge mounted on the upper arm of the retainer. In addition, a variable counter-weight enables adjustment of the compacting pressure of the lower arm. The height of the retainer is adjustable by a handwheel. Its carriage can be adjusted in longitudinal direction. These features enable measuring of the wall thickness on random points of the pipe sample. The unit comes with an additional fixture to also measure the wall thickness on pipes with smaller diameters. The unit features sample carriers to safely and steadily hold the pipe sample. Integrated rollers enable an easy turning of the pipe around its longitudinal axis.

## EASY AND SAFE OPERATION

- > Enables the determination of the wall thickness at any random point of the pipe wall (within the measuring range)
- > Adjustable, V-shaped sample carrier with integrated rollers
- > Horizontally movable retainer with guide slide bearing
- > Vertically movable retainer with guide slide bearing and handwheel

## RELIABLE TEST RESULTS

- > Reproducibility of test results – independent from the individual user
- > Indication of result by digital high-precision gauge
- > High accuracy is achieved by a design that features low clearances and high resistance to bending

VERSION WALL THICKNESS MEASURING UNIT		V1049-0003		V1049-0010
		Small measuring fork	Standard measuring fork	Standard measuring fork
Measuring range	mm	0 to 5	0 to 50	0 to 100
For pipe diameters	mm	20 to 40	40 to 500	20 to 800
Max. operation length of measuring fork	mm	ca. 250	ca. 650 for pipes >Ø38 (Di)	ca. 650 for pipes >Ø38 (Di)
Height adjustment gauge arm with jackscrew		✓		
Max. height adjustment measuring slide	mm	280	280	415
Max. horizontal movement measuring slide	mm	680	680	690
Accuracy measuring device	mm	0.001	0.001	0.001
Max. measuring fault	mm	0.005	0.005	0.005
Permissible ambient temperature	°C	+5 to +30		
Permissible relative humidity	%	max. 70 non-condensing		
CE conformity		✓		
Width x Depth x Height	mm	2,150 x 320 x 620	2,150 x 320 x 620	2,160 x 370 x 870
Weight	kg	88		
Connection cable for digital measuring gauge		+		
Footswitch with data transmission		+		
IPT-Datalog-tool		+		

✓ included
+ available/optional
○ eligible
- not available

---

## ACCESSORIES WALL THICKNESS MEASURING UNIT

---

Product

Description

Model no.

---



Circometer

H3017

---



Outside caliper gauge

H3019

---



Digital vernier caliper

H3024

---