

Competence creates Confidence.



• Model no. 1049

WALL THICKNESS MEASURING UNIT

ISO 3126

The wall thickness measuring unit model 1049 allows the wall thickness of pipes to be measured to a high degree of accuracy.

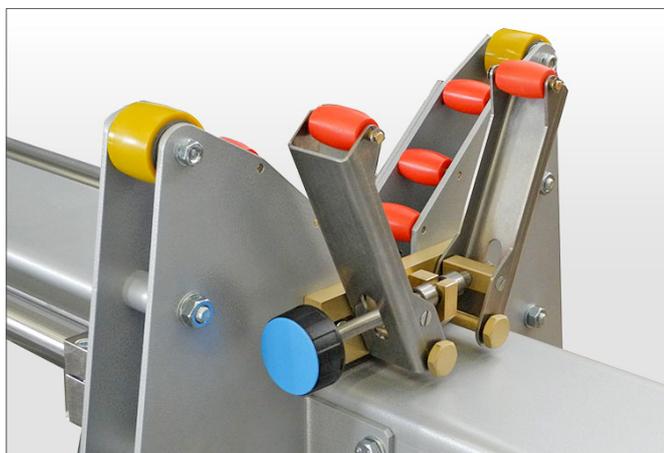
Measure
wall thicknesses
precisely



Simple and precise measurement

- The unit consists of a frame with a V-shaped support on which the pipe to be tested is placed and the measuring carriage, which can be moved longitudinally and vertically. The measuring fork with the dial gauge is mounted on the measuring carriage.
- The rollers integrated in the pipe support allow even larger pipes to be easily rotated around the longitudinal axis.
- The measuring carriage carries the height-adjustable, ball-bearing fork with counterweight via a gear drive.
- The measurement is taken using a precision dial gauge, which is mounted on the upper arm of the measuring fork. An adjustable counterweight also allows the contact pressure of the lower arm of the measuring fork to be adjusted.
- For smaller pipe diameters, a dedicated attachment for the lower arm of the measuring fork is included in the delivery package.

- Depending on the size, the specimen is placed on either the small or large rotatable supports. A handwheel is used to adjust the height of the measuring fork to the specimen. For measurement, the measuring assembly is pushed into the specimen on a carriage.
- The wall thickness is measured radially by rotating the specimen. The wall thickness is measured in the longitudinal direction by sliding the measuring fork. This allows the wall thickness to be measured at any point on the pipe section.
- The dial gauge used can optionally be connected to a computer. The individual measured values can be recorded using special software and a report can be printed with details of the minimum, maximum and average wall thickness.
- In addition to the current measured value, the minimum and maximum wall thickness can also be displayed on the dial gauge itself.



Frame with a V-shaped support



Measuring fork



Precision dial gauge

Standard features

- Height adjustment of the measuring arm with spindle
 - Pipe support with integrated rollers
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- Additional measuring arm for small pipes
 - CE compliant

Options

- Connecting cable for connecting the dial gauge to a PC
- Foot switch with data transfer to PC

Version WALL THICKNESS MEASURING UNIT		V1049-0003	V1049-0010
		Small lower arm	Standard measuring fork
Wall thickness measuring range	mm	0 to 5	0 to 50
Pipe diameter measuring range	mm	20 to 40	40 to 500
Entry depth of the measuring fork max.	mm	Approx. 250	Approx. 650
Max. height adjustment of measuring carriage	mm	280	280
Max. length adjustment of measuring carriage	mm	680	680
Measuring instrument resolution	mm	0.001	0.001
Max. measuring error	mm	0.005	0.005
Permissible ambient temperature	°C	+5 to +30	
Permissible relative humidity		Max. 70%, non-condensing	
Width x Depth x Height	mm	2,150 x 320 x 620	2,160 x 370 x 870
Weight	kg	88	

Accessories wall thickness measuring unit

Product	Description	Model no.
	Circometer	H3017
	Outside calliper	H3019
	Digital vernier calliper	H3024