



## ECHOMETER 1076 Basic

Measurement Of Wall Thickness And Sound Velocity

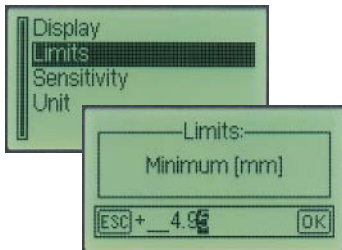
**KARL DEUTSCH**

# ECHOMETER 1076 Basic

## Precise, user-friendly and cost-efficient



Large, clear graphic display with bright background illumination



User-friendly menu structure and quick input of measuring parameters



Wall thickness measurement on a tube using the miniature probe

### Solid Basis: Easy and reliable measurement of wall thickness and sound velocity

The basic version of the ECHOMETER 1076 provides fast and easy measurement of wall thicknesses between 0.5 and 400 mm and sound velocities between 100 and 19,999 m/s.

The readings are displayed largely and clearly. Under poor light conditions the switchable back-light ensures convenient operation.

Via a user-friendly menu you may quickly enter or alter measuring parameters.

The instrument is supplied with a shock-absorbing protective rubber holster and a sturdy carrying case for safe storage. It is powered by commercially available batteries. This makes it a robust and reliable device, even in harsh environments.

### At a glance: further advantages of the ECHOMETER 1076 Basic

- Automatic recognition of probes
- Convenient user-guidance in easy to understand clear text
- Adaptation of sensitivity to the sound damping of different materials
- Three selectable display modes: Standard display, difference values and minimum value
- Monitoring of limit values with acoustical and optical alarm
- All parameters (e.g. sound velocity, sensitivity, limits) remain memorized after switch-off and battery change.
- The readings can be represented in resolutions 0.1 mm, 0.01 mm or 0.001 inch
- Battery lifetime up to 130 hours
- Integrated pop-up stand
- Splash-proof housing according to IP 54



Delivery in a handy carrying case

### Technical Data ECHOMETER 1076 Basic

Display	50 mm x 27 mm approx., illuminated		
Measurand	Wall thickness, sound velocity		
Measuring range of wall thickness (measurement uncertainty)	Miniature probe (10 MHz):	0.5 to 25 mm*	(± 0.1 mm)
	Standard probe (4 MHz):	1.2 to 250 mm*	(± 0.1 mm, above 50 mm ± 0.2 %)
	Low frequency probe (2 MHz):	5.0 to 400 mm*	(± 0.2 mm, above 100 mm ± 0.2 %)
Measuring range of sound velocity	100 to 19,999 m/s		
Measurement systems	mm, Inch (selectable)		
Power supply	2 pcs. alkali-manganese batteries (lifetime 130 h approx.) or 2 pcs. NiMH rechargeable batteries (lifetime, if new: 65 h approx.), type AA/IEC R6 each		
Battery level indicator	Symbol; additional acoustical and optical alarm if batteries are exhausted		
Size, weight	131 mm x 81 mm x 32 mm approx., 175 g (with batteries, without protective holster)		

\*measuring range stated in mm steel

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