



## ECHOMETER 1076 Data

Measurement Of Wall Thickness And Sound Velocity

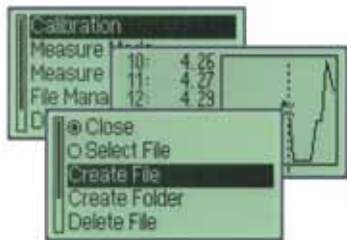
**KARL DEUTSCH**

# ECHOMETER 1076 Data

## Innovative Dual Use Instrument



Large, clear graphic display with bright background illumination



User-friendly menu structure and graphical assistance with the representation of readings



Measurement of sound velocity with connected caliper for automated input of the wall thickness value

### The advantages of the ECHOMETER 1076 at a glance

- Measurement of wall thickness and sound velocity with one instrument
- Convenient user-guidance in easy to understand clear text
- Variable display modes for optimum adaptation to the measurement task:
  - Standard display
  - Difference values
  - Minimum value
- Windows®-like storage of readings with convenient file management: Folders and files with alpha-numeric designation
- Individual memorization of calibration in the associated files
- Adaptation of sensitivity to the sound damping of different materials
- Graphic representation of the course of readings and quick navigation through the individual readings
- Automatic recognition of probes
- Monitoring of limit values
- Data output to printer and/or PC
- Batteries in standard size AA
- Long battery lifetime
- Sturdy and durable: Shock absorbing protective rubber holster with pop-up stand
- Splash-proof housing according to IP 54



Delivery in a handy carrying case

### Assisting Windows®-software for PC connection via the interface

- "EasyExport" for easy exporting of individual readings or complete files to Windows® programs
- "iCom" for data transfer, convenient administration of the whole folder structure and editing of measured values.

### Technical Data ECHOMETER 1076 Data

<b>Display</b>	50 mm x 27 mm approx., illuminated		
<b>Measurand</b>	Wall thickness, sound velocity		
<b>Measuring range of wall thickness (measurement uncertainty)</b>	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 %)
<b>Measuring range of sound velocity</b>	100 to 19999 m/s		
<b>Interface</b>	RS232C for printer, PC and caliper (PC-USB connection via adapter cable)		
<b>Measurement systems</b>	mm, Inch (selectable)		
<b>Memory</b>	up to 9999 readings, can be structured into files with up to 999 readings each		
<b>Power supply</b>	2 pcs. alkali-manganese batteries (lifetime 130 h min.) or 2 pcs. NiMH rechargeable batteries (lifetime, if new: 65 h min.), type AA/IEC R6 each		
<b>Battery level indicator</b>	Symbol with additional acoustical and optical alarm for low-voltage condition		
<b>Size, weight</b>	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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