



## **ECHOMETER 1076 TC**

Measurement Of Wall Thickness And Sound Velocity

**KARL DEUTSCH**

# ECHOMETER 1076 TC

## A great solution for flexible measurement, also for coated material



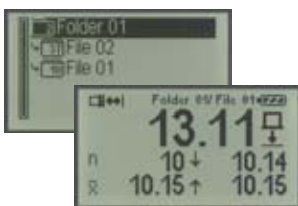
Delivery in a handy carrying case



Measurement also through coatings



For any measurement: The probes of the ECHOMETER 1076 TC



Very easy, clearly arranged and user-friendly data handling and measured value display

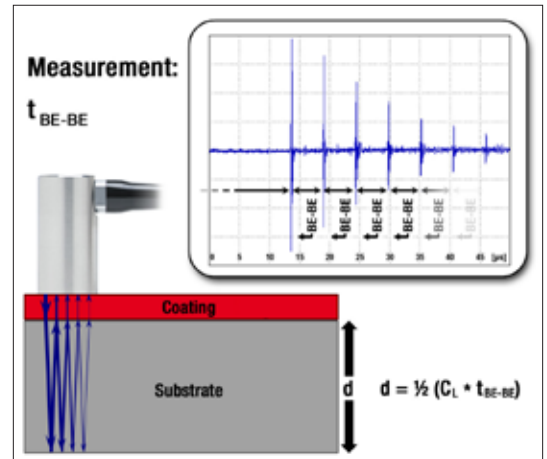
### Easy and reliable measurement of wall thickness and sound velocity also through coatings

While using the standard method (TP-BE-mode) for the measurement of wall thickness and sound velocity the probe will be placed on the uncoated material.

The new ECHOMETER 1076 TC performs even better: Varnish or plastic coatings up to a thickness of approx. 4 mm can be blanked out to measure the wall thickness also through the coating. The calculation of the measurement result then will be carried out with the aid of consecutive backwall echoes (BE-BE-mode).

The easy and comfortable menu navigation is very user-friendly and appears in a comprehensible plain language. Therefore the measuring parameters can be adjusted and modified very simply. The readings are displayed in large and clear digits and a backlight illumination of the display ensures a convenient operation also for poor light conditions.

The instrument is supplied with a shock-absorbing protective rubber holster and a sturdy carrying case for safe storage, making it a robust and reliable device even in harsh environments. Further flexibility is given by the use of commercially available batteries size AA.



The measuring principle for coated material: Determination of the transit time of consecutive backwall echoes (BE-BE-mode)

### Further features and benefits of the ECHOMETER 1076 TC at a glance:

- Automatic probe recognition
- Files and folder data handling like working with a regular computer
- 3 selectable display options: Standard display, difference value and minimum.
- If required: Sound velocity measurement
- Measured value display in an optionally resolution from 0.1mm, 0.01mm or 0.001 inch
- Battery saving mode
- Integrated support frame
- Splash-proof housing (IP 54)

### Technical Data ECHOMETER 1076 TC

<b>Display</b>	Approx. 50 mm x 27 mm, illuminated
<b>Test tasks</b>	Wall thickness and sound velocity (also through coated material by BE-BE-mode)
<b>Measuring ranges for steel</b>	Standard probe BE-BE (5 MHz): 2 to 28 mm (BE-BE-mode), 2 to 250 mm (TP-BE-mode) Miniature probe (10 MHz): 0.6 to 25 mm Standard probe (4 MHz): 1.2 to 250 mm Low frequency probe (2 MHz): 5 to 400 mm
<b>Units</b>	mm, inch (selectable)
<b>Power supply</b>	2 pcs. alkali manganese batteries (approx. 130 h minimum operating time) or 2 pcs. NiMH rechargeable batteries (approx. 65 h operating time in new condition), type AA/IEC R6
<b>Battery check</b>	Battery level indicator in four stages, automatic battery switch-off
<b>Size, weight</b>	Approx. 131 mm x 81 mm x 32 mm, 175 g (incl. batteries w/o protective rubber holster)

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