

## Karl Deutsch

Garanti: 12 ay  
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rn	Aıklama
<a href="#">Bestellnummer 3846.001</a>	UV LED large area light incl. Power supply + cable 2.5 m UV light with 365 nm wavelength Intensity approx. 40 W / m <sup>2</sup> or 4000 µW / cm <sup>2</sup> at a distance of 400 mm, switchable to white light with approx. 2500 lx at a distance of 400 mm
<a href="#">Leptoskop 2042.001</a>	nur die Sonde (Prob)
<a href="#">Part No. 1076.001</a>	Wall Thickness Gauge ECHOMETER 1076 Basic for measuring wall thickness or sound velocity - Measuring range 0,5 - 400 mm steel (depending on selected probe (probe is not included in delivery range of instrument), crystal structure, shape and surface of the measured item) - Measuring range for sound velocity measurement: 100 - 19.999 m/sec. - Automatic recognition of probes - Adjustment possible even in case of unknown sound velocity (range 300 - 19999 m/s) Convenient user-guidance in easy to understand clear text - Variable display modes for optimum adaptation to the measurement task: - Standard display - Commercially available batteries size AA - Long battery lifetime rubber holster with pop-up stand - Splash-proof housing according to IP 54 - Sturdy and durable: Shock absorbing protective - Display-background illumination - Limit value indication with alarm mode - Difference value - Minimum value included in delivery range: - Transporting case with foam insert - Instruction manual 100 ml couplant ECHOTRACE
<a href="#">Part No. 1099.110</a>	Standard access. set for ECHOMETER 1076 consisting of: - TR-probe DSE 10.4/6 PB 4 incl. 1 m-cable, Lemo 00-male Measuring range (uncoated material): 1,2 - 250 mm -Handling sleeve for DSE 10.4/6 PB 4 and DSE 8.3/15 PB 5 C incl. retaining ring - Protective foil set (10 ea.) for wear

	protection
<a href="#">Part No. 1465.671</a>	TR Probe DSE 4.2/4 PB 10, incl. 1 m cable, Lemo 00 Miniature probe for ECHOMETER 1076/1076 TC/1077 Measuring range (uncoated material): 0,5-25 mm
<a href="#">Part No. 1934.251</a>	Grip sleeve f. (D)SE 4.2/4 PBx incl. retaining ring for miniature probe
<a href="#">3846.001</a>	UV LED Large Area Lamp incl. power supply + cable 2.5 m UV-A radiation at 365 nm wavelength Intensity at 400 mm distance: approx. 40 W/m <sup>2</sup> resp. 4000 µW/cm <sup>2</sup> , switchable to white light with approx. 2500 lx at 400 mm distance
<a href="#">Part No. 1076.001</a>	(Neues Model wenn verf¼gbar)A) without data storage: Wall Thickness Gauge ECHOMETER 1076 Basic for measuring wall thickness or sound velocity - Measuring range 0,5 - 400 mm steel (depending on selected probe (probe is not included in delivery range of instrument), crystal structure, shape and surface of the measured item) - Measuring range for sound velocity measurement: - 100 - 19.999 m/sec. - Automatic recognition of probes - Adjustment possible even in case of unknown sound velocity (range 300 - 19999 m/s) - Convenient user-guidance in easy to understand clear text - Variable display modes for optimum adaptation to the measurement task: - Standard display - Difference value - Minimum value - Display-background illumination - Limit value indication with alarm mode - Adaptation of sensitivity to the sound damping of different materials - Units switchable mm/inch, resolution can be switched (0,1 resp. 0,01) - Sturdy and durable: Shock absorbing protective rubber holster with pop-up stand - Splash-proof housing according to IP 54 - Commercially available batteries size AA - Long battery lifetime included in delivery range: - Transporting case with foam insert - Instruction manual - 100 ml couplant ECHOTRACE
<a href="#">Part No. 1076.002</a>	B) Alternatively with data storage: Wall Thickness Gauge ECHOMETER 1076 Data for measuring wall thickness or sound velocity Measuring range 0,5 - 400 mm steel (depending on selected probe (probe is not included in delivery range of instrument), crystal structure, shape and surface of the item measured) - Automatic recognition of probes - Adjustment possible even in case of unknown sound velocity (range 300 - 19999 m/s) - 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 - Limit value indication with alarm mode - Display-background illumination - Windows-like storage of readings with convenient file management: Folders and files with alpha-numeric designation - Individual memorization of calibration in the associated files - Facilities of storage: up to 9999 results, organized in result files with up to 999 results each - Graphic representation of the course of readings and quick navigation through the individual readings - Data output to printer and/or PC - Adaptation of sensitivity to the sound damping of different materials - Units switchable mm/inch, resolution can be switched (0,1 resp. 0,01) - Sturdy and durable: Shock absorbing protective rubber holster with pop-up stand - Splash-proof housing according to IP 54 - Batteries in standard size AA - Long battery lifetime included in delivery range: - Transport case with foam insert - Instruction manual - 100 ml couplant ECHOTRACE
<a href="#">Part No. 1099.110 (Probe alternatives)</a>	Standard access. set for ECHOMETER 1076 consisting of: - TR-probe DSE 10.4/6 PB 4 incl. 1 m-cable, Lemo 00-male Measuring range (uncoated material): 1,2 - 250 mm - Handling sleeve for DSE 10.4/6 PB 4 and DSE 8.3/15 PB 5 C incl. retaining ring - Protective foil set (10 ea.) for wear protection
<a href="#">Part No. 1465.671</a>	TR Probe DSE 4.2/4 PB 10, incl. 1 m cable, Lemo 00 Miniature probe for ECHOMETER 1076/1076 TC/1077 Measuring range (uncoated material): 0,5-25 mm
<a href="#">Part No. 1465.361</a>	TR Probe DSE 18/25 PB 2, incl. 1 m cable, Lemo 00 Low frequency probe for ECHOMETER 1075/1076/ 1076 TC Measuring range (uncoated material): 5 - 400 mm

<a href="#">Part No. 1934.201</a>	Grip sleeve f. DSE 18/25 PBx for use w/ protective foils for low frequency probe incl. retaining ring
<a href="#">Part No. 1930.004</a>	Set of protective foils, 10 pcs. for DSE 18/25 PB x Options for ECHOMETER 1076 Data:
<a href="#">Part No. 1657.308</a>	PC and printer cable for ECHOMETER
<a href="#">Part No. 2906.001</a>	PC software "iCom" f. data admin. Win XP/7/8/8.1/10 System Software: Windows 2000/XP (from SP3 on) Windows Vista, Windows 7, Windows 8/8.1/10 (Operation also possible with 64-Bit-version)
<a href="#">Part No. 2905.001</a>	EasyExport, PC Software for Windows XP/2000/Vista/7/8.1/10 (32/64) Possibly necessary accessories for instruments with data cable and software in case the PC has no serial input:
<a href="#">Part No. 2691.001</a>	Adapter USB (PC) -> RS232 including driver CD
<a href="#">Part No. 1077.020</a>	Wall Thickness Gauge A-Scan ECHOMETER 1077 Data for ultrasonic high precision wall thickness measurement - Measuring range of the instrument 0,25 - 400 mm steel. Range varies depends upon connected probe (probe is not included in delivery range of instrument), measuring mode (evaluation of transmitter pulse - back wall, back wall - back wall) and material properties. - Function for automatic adjustment of parameters depending upon the connected probe, after which it is ready to measure. - High resolution colour display with 320 x 240 Px - Automatic Gain Control (AGC) - Automatic Time Corrected Gain ( Auto-TCG) - Variable display modes for optimum adaption to the testing task. Value display with or without A-Scan - Three function keys, depending upon the display mode free programmable or assigned to fixed parameters - Five different measuring units selectable (mm, inch, m/s, inch/ $\mu$ s, $\mu$ s) - Variable resolutions selectable (e.g. 0,1mm / 0,01mm / 0,001mm) - Measuring range for sound velocity measurement: 100 - 19.999 m/s - Five different display modes for the measured value: direct value, mean value, minimum, difference, relative - Different possibilities for echo evaluation are selectable: polarity, TP-BE, BE-BE - Convenient user-guidance in easily to understand clear text, several languages - Storage of 20 different configurations - Configuration for standard applications undeletable stored - Storage capacity: 5 files, each for up to 999 measured values - Data transfer of single measurement values or values out of data files by means of the special software EasyExport (must be ordered separately) - Robust and durable: shock absorbing protective rubber holster with pop-up stand - Splash-proof housing according to IP 54 - Batteries in standard size AA included in the scope of delivery: - Transport case with foam insert - Instruction manual - 100 ml couplant ECHOTRACE
<a href="#">Part No. 1422.701</a>	Contact probe DS6 PB4-14 incl. 10 mm delay line, Microdot ceramic transducer diameter: 6 mm frequency range: 4 - 14 MHz Recommended measuring range: approx. 1,0 mm up to 20 mm in SI-RE mode for ECHOMETER 1077 Recommended measuring range: approx. 0,25 mm up to 10 mm in RE-RE mode for ECHOMETER 1077
<a href="#">Part No. 1422.703</a>	Contact probe, S 12 PB 1-7, 25 mm delay line, Lemo 00 Broad band probe with exchangeable delay line length of delay line: 25 mm ceramic transducer diameter: 12 mm frequency range: 1 - 7 MHz Recommended measuring range: approx. 1,5 mm up to 50 mm in SI-RE mode for ECHOMETER 1077 Recommended measuring range: approx. 1,0 mm up to 25 mm in RE-RE mode for ECHOMETER 1077
<a href="#">Part No. 1432.701</a>	Contact probe DS 6 HB 4-12 Microdot with wear-resistant protective layer ceramic transducer diameter: 6 mm frequency range: 4 - 12 MHz Recommended measuring range: approx. 1,0 mm up to 450 mm in SI-RE mode for ECHOMETER 1077 Recommended measuring range: approx. 1,0 mm up to 100 mm in RE-RE mode for ECHOMETER 1077
<a href="#">Part No. 1433.705</a>	Contact probe DS 12 HB 2-7 Microdot with wear-resistant protective layer Ceramic transducer diameter: 12 mm Frequency range: 2 - 7 MHz Recommended measuring range: approx. 2,0 mm up to 450 mm in SI-RE

	mode for ECHOMETER 1077 Recommended measuring range: approx. 2,0 mm up to 225 mm in RE-RE mode for ECHOMETER 1077
<a href="#">Part No. 1616.010</a>	Probe cable, length 1 m, Lemo 00 / Lemo 00
<a href="#">Part No. 1618.010</a>	Probe cable, length 1 m, Lemo 00 / Microdot
<a href="#">Part No. 1657.314</a>	PC cable for ECHOMETER 1077 -> USB (incl. drivers CD)
<a href="#">Part No. 2905.001</a>	EasyExport, PC Software for Windows XP/2000/Vista/7/8.1/10 (32/64)
<a href="#">Part No. 1713.003</a>	Stepped ref. block 4-7-15 mm (steel), can not be certified
<a href="#">Pocket-LEPTOSKOP 2021 Fe</a>	Part No. 2021.901 package consisting of: Pocket-LEPTOSKOP 2021 Fe, Measuring range: 0-3.000 µm/ 120 mil Test block Fe Calibration foil (2 pcs.)
<a href="#">Pocket-LEPTOSKOP 2026 Fe/NFe</a>	Part No. 2026.901 package consisting of: Pocket-LEPTOSKOP 2026 Fe, Measuring range: 0-3.000 µm/ 120 mil Pocket-LEPTOSKOP 2026 NFe, Measuring range: 0-1.200 µm/48 mil Test block Fe Test block NFe Calibration foil (2 pcs.)
<a href="#">ECHOMETER 1077.080-A</a>	
<a href="#">1076.001</a>	Wall Thickness Gauge ECHOMETER 1076 Basic Wall Thickness Gauge ECHOMETER 1076 Basic for measuring wall thickness or sound velocity - Measuring range 0,5 - 400 mm steel (depending on selected probe (probe is not included in delivery range of instrument), crystal structure, shape and surface of the measured item) - Measuring range for sound velocity measurement: - 100 - 19.999 m/sec. - Automatic recognition of probes - Adjustment possible even in case of unknown sound velocity (range 300 - 19999 m/s) - Convenient user-guidance in easy to understand clear text - Variable display modes for optimum adaptation to the measurement task: - Standard display - Difference value - Minimum value - Display-background illumination - Limit value indication with alarm mode - Adaptation of sensitivity to the sound damping of different materials - Units switchable mm/inch, resolution can be switched (0,1 resp. 0,01) - Sturdy and durable: Shock absorbing protective rubber holster with pop-up stand - Splash-proof housing according to IP 54 - Commercially available batteries size AA - Long battery lifetime included in delivery range: - Transporting case with foam insert - Instruction manual - 100 ml couplant ECHOTRACE
<a href="#">2042.902</a>	LEPTOSKOP 2042 NFe basic package, consisting of: LEPTOSCOPE 2042 Probe NFe 0° measuring range: 0-1,000 µm control body NFe calibration foil set
<a href="#">1076.902</a>	Wall thickness gauge ECHOMETER 1076 data package consisting of: Wall thickness gauge ECHOMETER 1076 for measuring the wall thickness or the Speed of sound - Measuring range 0.5 - 400 mm steel (depending on selected test head (test head not included in delivery of the device), structure, shape and surface of the measurement object) - Automatic test head detection - Adjustment even if unknown Speed of sound (range 300-19999 m/s) - Convenient user guidance in an understandable way Plain text - Variable display modes for optimal adjustment the measurement task - Standard display - Difference value - Minimum value - Limit display with alarm mode - Display backlight - Storage of measured values with uncomplicated File management like under Windows Directories and files with alphanumeric designation - Individual storage of the calibration in the individual files - Storage options: up to 9999 measured values, Can be organized into measurement files with up to each to 999 readings - Graphical representation of the measured value progression and quick navigation within the individual measured values - Data output to printer and/or PC - Sensitivity adjustment to sound attenuation different materials - Unit switchable mm/inch, resolution switchable (0.1 or 0.01) - Robust and durable: more shock-absorbing Rubber protective frame with stand bracket
	Standard accessory set for ECHOMETER 1076 consisting of: - SE test

<a href="#">1099.110</a>	head DSE 10.4/6 PB4 Includes 1 m cable, Lemo 00 plug Measuring range (uncoated material): 1.2 - 250mm - Grip sleeve for DSE 10.4/6 PB 4 and DSE 8.3/15 PB 5 C including retaining ring - Protective film set (10 pieces) as wear protection
<a href="#">1465.671</a>	SE test head DSE 4.2/4 PB 10, incl. 1 m cable, Lemo 00 Miniature test head for ECHOMETER 1076/1076 TC/1077 Measuring range (uncoated material): 0.5-25mm
<a href="#">2091.001</a>	LEPTO-Pen (measurement range: 10-500 µm)
<a href="#">1657.308 Pc- U Druckerkabel Für Echometer Mit Rs232</a>	
<a href="#">4418.001</a>	
<a href="#">760500 350</a>	
<a href="#">4416.001</a>	
<a href="#">6015.001</a>	
<a href="#">1095.020 Echograph 1095 Basic</a>	
<a href="#">610.201,Mobile Thermal Printer</a>	
<a href="#">1090 Obsolete, Replacement 1095 Echograph</a>	
<a href="#">1465.361 Se-Pr¼fkopf Dse 18/25 Pb 2, Inkl 1 M Kabel, Lemo 00</a>	
<a href="#">4015.003</a>	
<a href="#">1075.005</a>	
<a href="#">4417.001</a>	
<a href="#">Griffhulse Fur Dse 10.4/6 Pb 4 Und Dse 8.3/15 Pb 5 C</a>	
<a href="#">3865.004 Magnetpulver-Prufset</a>	
<a href="#">6016.001</a>	
<a href="#">1076.002</a>	
<a href="#">9903.1</a>	
<a href="#">760500 300</a>	
<a href="#">1099.110 (1465.762) Normalzubeh¼rsatz Für Echometer 1076, Standard-Pr¼fkopf Dse 104/6 P</a>	
<a href="#">49-6800-2026</a>	
<a href="#">2026.01</a>	
<a href="#">1095.030 Echograph 1095 Dac/Tcg/Aws</a>	
<a href="#">1090.201</a>	
<a href="#">496800 2026</a>	
<a href="#">1099.109</a>	
<a href="#">1075.005</a>	
<a href="#">2042.300,Fe Probe With Cable</a>	

<a href="#">1076.001</a>	
<a href="#">2042.924,2042 Leptoskop Combined Fe / Nfe Data Set</a>	
<a href="#">2042</a>	
<a href="#">1095.040 Echograph 1095 Dgs/Dac/Tcg</a>	
<a href="#">Bestellnummer 1465.761</a>	SE test head DSE 10.4 / 6 PB 4, incl. 1 m cable, Lemo 00 Measuring range: 1.2 - 250 mm for ECHOMETER 1073/1074/1075
<a href="#">1075b</a>	
<a href="#">Dpp-04</a>	
<a href="#">4825.001</a>	
<a href="#">4015.003</a>	
<a href="#">4498.010</a>	
<a href="#">Echometer 1076</a>	
<a href="#">4720.002</a>	
<a href="#">Check Sd-1 9903-14</a>	
<a href="#">2806.001</a>	
<a href="#">Ts12wb6</a>	
<a href="#">1465.751 / Dse 10.4/6 Pb 4</a>	
<a href="#">Piastrina 46.8</a>	
<a href="#">4815.001</a>	
<a href="#">ECHOMETER 1076 Data</a>	Order number 1076.002 Wall Thickness Gauge ECHOMETER 1076 Data for measuring the wall thickness or the speed of sound - Measuring range 0.5 - 400 mm steel (depending on selected probe (probe not included in the scope of delivery of the device), of structure, shape and surface of the measuring object) - Automatic probe recognition - Adjustment also with unknown Speed of Sound (Range 300-19999 m/s) - Comfortable user guidance in understandable plain text - Variable display modes for optimal adaptation to the measurement task - Standard display - difference value - Minimum value - Limit value display with alarm mode - Display backlight - Measured value storage with uncomplicated File management like under Windows Directories and files with alphanumeric designation - Individual storage of the calibration in the individual files - Storage options: up to 9999 readings, can be organized in measured value files each with up to to 999 readings - Graphic display of the course of measured values and quick navigation within of the individual readings - Data output to printer and/or PC - Sensitivity adjustment to the sound attenuation different materials - Unit switchable mm/inch, resolution switchable (0.1 or 0.01) - Sturdy and Durable: More shock absorbing Rubber protective frame with stand - Splash-proof housing according to IP 54 - Commercially available batteries and rechargeable batteries - Long battery life included: - Transport case with molded foam part - Operating manual - 100 ml of ECHOTRACE couplant Probe alternatives:
<a href="#">Deutrometer</a>	
<a href="#">Check Pr-2 9907-14</a>	
<a href="#">4420.001</a>	
<a href="#">1095.050 Echograph 1095 Dgs/Dac/Tcg/ Aws/Jis</a>	
<a href="#">1465.671</a>	

<a href="#">2042.310,Nfe Probe With Cable</a>	
<a href="#">4498 010</a>	
<a href="#">Order Number 2026.901</a>	Pocket LEPTOSKOP 2026 Fe / NFe Package consisting of: Pocket LEPTOSCOPE 2026 Fe measuring range: 0-3,000 µm / 120 mil NFe measuring range 0-1,200 µm / 48 mil Control body Fe Control body NFe Calibration foils (2 pieces)
<a href="#">1076.002 Wanddickenmessgerät Echometer</a>	
<a href="#">1076 Data</a>	
<a href="#">4815.002</a>	
<a href="#">4820.001</a>	
<a href="#">1076.912</a>	
<a href="#">1099 109</a>	
<a href="#">Ts 6 Wb 4</a>	
<a href="#">Adapter Usb (Pc) -Gt; Rs232 Inkl. Treiber-Cd</a>	
<a href="#">1465.751</a>	
<a href="#">610.202,Paper Roll</a>	
<a href="#">4816.001</a>	
<a href="#">1095</a>	
<a href="#">10143 Sheet Thickness Measuring Device</a>	
<a href="#">4418.001</a>	
<a href="#">S12hb1-8</a>	
<a href="#">Echometer 1075 Basic</a>	
<a href="#">2042 Leptoskop</a>	
<a href="#">1465.671 Se-Pr¼fkopf Dse 42/4 Pb 10, Inkl 1 M Kabel, Lemo 00</a>	
<a href="#">1657.704 Usb-Cable For Echograph 1095</a>	
<a href="#">Dpp 04</a>	
<a href="#">Check Rdp-1 9901-14</a>	