

Karl Deutsch

Garanti: 12 ay
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rn	Aıklama
Bestellnummer 3846.001	UV LED large area light incl. Power supply + cable 2.5 m UV light with 365 nm wavelength Intensity approx. 40 W / m ² or 4000 µW / cm ² at a distance of 400 mm, switchable to white light with approx. 2500 lx at a distance of 400 mm
Leptoskop 2042.001	nur die Sonde (Prob)
Part No. 1076.001	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
Part No. 1099.110	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
Part No. 1465.671	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
Part No. 1934.251	Grip sleeve f. (D)SE 4.2/4 PBx incl. retaining ring for miniature probe
3846.001	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 ² resp. 4000 µW/cm ² , switchable to white light with approx. 2500 lx at 400 mm distance
Part No. 1076.001	(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
Part No. 1076.002	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
Part No. 1099.110 (Probe alternatives)	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
Part No. 1465.671	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
Part No. 1465.361	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

Part No. 1934.201	Grip sleeve f. DSE 18/25 PBx for use w/ protective foils for low frequency probe incl. retaining ring
Part No. 1930.004	Set of protective foils, 10 pcs. for DSE 18/25 PB x Options for ECHOMETER 1076 Data:
Part No. 1657.308	PC and printer cable for ECHOMETER
Part No. 2906.001	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)
Part No. 2905.001	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:
Part No. 2691.001	Adapter USB (PC) -> RS232 including driver CD
Part No. 1077.020	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/ μ s, μ 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
Part No. 1422.701	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
Part No. 1422.703	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
Part No. 1432.701	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
Part No. 1433.705	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
Part No. 1616.010	Probe cable, length 1 m, Lemo 00 / Lemo 00
Part No. 1618.010	Probe cable, length 1 m, Lemo 00 / Microdot
Part No. 1657.314	PC cable for ECHOMETER 1077 -> USB (incl. drivers CD)
Part No. 2905.001	EasyExport, PC Software for Windows XP/2000/Vista/7/8.1/10 (32/64)
Part No. 1713.003	Stepped ref. block 4-7-15 mm (steel), can not be certified
Pocket-LEPTOSKOP 2021 Fe	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.)
Pocket-LEPTOSKOP 2026 Fe/NFe	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.)
ECHOMETER 1077.080-A	
1076.001	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
2042.902	LEPTOSKOP 2042 NFe basic package, consisting of: LEPTOSCOPE 2042 Probe NFe 0° measuring range: 0-1,000 µm control body NFe calibration foil set
1076.902	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

1099.110	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
1465.671	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
2091.001	LEPTO-Pen (measurement range: 10-500 µm)
A) without data storage:	Order number 1076.001 wall thickness gauge ECHOMETER 1076 Basic for measuring the wall thickness or the speed of sound - Measuring range 0.5 - 400 mm steel (depending on selected probe (probe not in the included in the scope of delivery of the device), of structure, shape and surface of the measuring object) - Measuring range for sound speed measurement: - 100 - 19,999 m/sec. - Automatic probe recognition - Adjustment even 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 - Display backlight - Limit value display with alarm mode - Sensitivity adjustment to the Sound attenuation of different materials - Unit switchable mm/inch, resolution switchable (0.1 or 0.01) - Robust and durable: shock-absorbing rubber protective frame with stand - Splash-proof housing according to IP 54 - Long battery life included in delivery: - Transport case with foam molding - Operating instructions - 100 ml couplant ECHOTRACE
B) Alternative with data storage:	Order number 1076.902 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 probe (probe not in the included in the scope of delivery of the device), of structure, shape and surface of the measuring object) - Automatic probe recognition - Adjustment even with unknown
1099.110-	probe alternatives Standard accessory kit for ECHOMETER 1076 consisting of: - SE test head DSE 10.4/6 PB4 including 1 m cable, Lemo 00 connector Measuring range (uncoated material): 1.2 - 250 mm - Handle 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
Echometer 1076 UT	
ECHOMETER 1076 K Data package	Order number 1076.912 consisting of: ECHOMETER 1076K (1076.012) RS232 interface for measured value output PC and printer cable 1657.308 Probe for concentration measurement (1498.023) AA batteries, 2 pieces CD with PC utility program (1994.001) for documentation (under Windows) (to install 2000/XP/Windows 7) Temperature measuring device "Checktemp" (6025.001) ml distilled water for basic adjustment 100 ml beakers ± Operating instructions
3821.002	Remaining field indicator with quality test certificate
1657.308 Pc- U Druckerlabel Für Echometer Mit Rs232	
4418 001	
760500 350	
4416.001	
6015.001	
1095.020 Echograph 1095 Basic	
610.201, Mobile Thermal Printer	

1090 Obsolete, Replacement 1095 Echograph	
1465.361 Se-Pr¼fkopf Dse 18/25 Pb 2, Inkl 1 M Kabel, Lemo 00	
4015.003	
1075 005	
4417.001	
Griffhulse Fur Dse 10.4/6 Pb 4 Und Dse 8.3/15 Pb 5 C	
3865.004 Magnetpulver-Prufset	
6016.001	
1076.002	
9903.1	
760500 300	
1099.110 (1465.762) Normalzubeh¼rsatz F¼r Echometer 1076, Standard-Pr¼fkopf Dse 104/6 P	
49-6800-2026	
2026.01	
1095.030 Echograph 1095 Dac/Tcg/Aws	
1090.201	
496800 2026	
1099.109	
1075.005	
2042.300,Fe Probe With Cable	
1076.001	
2042.924,2042 Leptoskop Combined Fe / Nfe Data Set	
2042	
1095.040 Echograph 1095 Dgs/Dac/Tcg	
Bestellnummer 1465.761	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
1075b	
Dpp-04	
4825.001	
4015 003	
4498.010	
Echometer 1076	
4720.002	
Check Sd-1 9903-14	

2806.001	
Ts12wb6	
1465.751 / Dse 10.4/6 Pb 4	
Piastrina 46.8	
4815.001	
ECHOMETER 1076 Data	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 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:
3873.901	DEUTROMETER set for field strength measurement, consisting of - Field strength meter DEUTROMETER 3873 including batteries and carrying case ± For connecting field strength probes to Measurement of magnetic alternating and Equal fields ± Automatic detection of alternating fields and Equipotential field ± Unit of measurement switchable: mT, A/cm, kA/m, Gauss ± Measuring range 0 ± kA/m or 0 ± Gauss or 0 ± mT ± Measurement display in large digits with additional maximum value memory ± User-friendly menu navigation in an easy-to-understand format plain text ± Visual and audible threshold alarm ± Battery-saving display lighting ± Fluorescent lettering under UV light ± Splash-proof housing (IP 54) Order No. 3873.001 - Field strength probe for DEUTROMETER 3873 angled 90° including connection cable Order No. 3873.101 also available as a straight probe - Reference magnet for DEUTROMETER field strength probes Order No. 3872.601
Check Pr-2 9907-14	
4420.001	
1095.050 Echograph 1095 Dgs/Dac/Tcg/ Aws/Jis	
1465.671	
2042.310,Nfe Probe With Cable	
4498 010	
Order Number 2026.901	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)
1076.002 Wanddickenmessgerät Echometer 1076 Data	

4815.002
4820.001
1076.912
1099 109
Ts 6 Wb 4
Adapter Usb (Pc) -Gt; Rs232 Inkl. Treiber-Cd
1465.751
610.202,Paper Roll
4816.001
1095
10143 Sheet Thickness Measuring Device
4418.001
S12hb1-8
Echometer 1075 Basic
2042 Leptoskop
1465.671 Se-Pr¼fkopf Dse 42/4 Pb 10, Inkl 1 M Kabel, Lemo 00
1657.704 Usb-Cable For Echograph 1095
Dpp 04
Check Rdp-1 9901-14