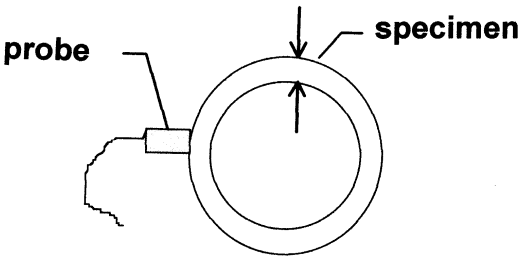
STARMANS
electronics s.r.o.

V Zahradách 24/836 180 00 Praha 8
Tel :00420-2-8384 2063, 8384 2064, 8384 3022
Fax : 8384 1067 e-mail: ndt@starmans.cz

Ultrasonic Thickness Meter DIO-570 LC

Suited for auditing engineers:
One-sided thickness measurement



Features of DIO-570 LC

Diaphragm keyboard with 5 operation keys
Storage for 1000 or 2000 readings
Storing in A, B, C, D, sections
Measuring range: 1-200 mm

Propagation velocity setting from 1500 to 9000 m/s
Resolving power 0.01 mm
RS232 bus for data transmission into PC
Preset material velocities in a table for: steel, aluminium, copper, brass and others
Adjustable gain of 60 dB makes possible to connect probes from different manufacturers, e.g. Starmans, Krautkrämer, and others.

Setting and storing of six configurations / probe, specifications, including and of all adjustable instrument parameters

Settings may be locked up and in this way protected against overwriting
Storage of minimum value
Calibration according to the known propagation velocity
Calibration according to the known thickness
Operation time: 40 hours
Power supply: 2 accumulators AA type
Charging: charger assembled in the instrument
Weight: 370 g
Size: 70x115x15 mm.

Measurement: the readings are being stored,
Stored readings may be looked at
Setting of the type of material: steel, aluminium, copper...
Instrument reset
Readings are transferred into a PC AT
Readings may be printed at a portable DIO-559 printer.

Assembly configuration:

Ultrasonic thickness meter DIO-570
Charger
Power supply
Portable bag
Calibration specimen 5 mm
Manual

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Probes for the DIO-570 thicknessmeter:

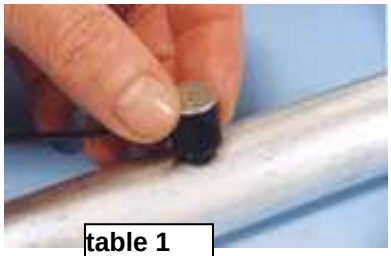
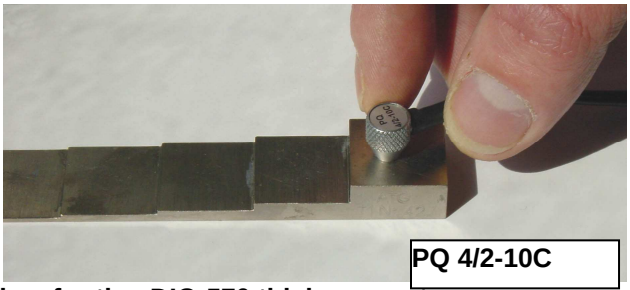


table 1



PQ 4/2-10C

Probes for the DIO-570 thicknessmeter:

table 1

frequency	diameter	range	Type
10 MHz	10 mm	2-50 mm	**PQ2x4-10/B 2-50**
10 MHz	10 mm	1-50 mm	**PQ2x4-10/B 1-50**
10 MHz	10 mm	1-100 mm	**PQ2x4-10/B 1-100**
5 MHz	10 mm	2-100 mm	**PQ2x4-5/B 2-100**
5 MHz		1,5-100 mm	**High temperature 350 ℃**

table 2

5 MHz	10 mm	1,5-75 mm	**PQ 10/2-5C**
5 MHz	12 mm	1,5-200 mm	**PQ 12/2-5C**
10 MHz	4 mm	0,4-10 mm	**PQ 4/2-10C**
10 MHz	6 mm	0,8-10 mm	**PQ 6/2-10C**

PC Program:
Data transfer through the RS232 bus
Groups of readings or thickness may be displayed
Sets of readings may be generated in the *.txt data format
Instrument setting file may be generated
File *.txt may be recorded into all Microsoft programs
Measurement statistics, min., max., and average values of all readings in the individual measurement groups
Thickness B-scan — diagram of the thickness profile

DIO-570 STANDARD contains further:
Highlighted display