DUC-ZUWD Quickstart

Prepare your wall thickness gauge /Keypad definition

The delivery is usually ready to use; batteries (AA).

Switch on / off	Backlight on / off	Scroll down / decrease
Exit	Menu / Select	
Enter	Calibration	Scroll up/ Increase

Connect the signal cables of the transducer to the thickness gauge

Calibration sample

3 steps to parameterize your wall thickness gauge

1. Please check if the sensor probe type is set correctly (standard type 'N07')
2. Make calibration using integrated calibration sample
3. Set value for speed of sound of your pipe material.
4. Place probe on the pipe and get reading for wall thickness

Please make sure to put some coupling grease on the sensor tip before measurement.
Calibration should be repeated each time you start new measurement.
Calibration should be done at speed of sound of 5920 m/s

Pic. 1

Pic. 2

Pic. 3

Pic. 4

Put some coupling grease (Magnalube) on the probe tip (Pic.1).
Put sensor on the integrated calibration sample (Pic.2) which you find in the lowermost right corner of the instrument.

Press button ZERO. Display will show 4.00 mm. Remove the probe.
Your DUC-ZUWD is now calibrated. Now set the speed of sound of media of pipe material. Press button (4x) to go to menu for setting of speed of sound. (lowermost line, right corner), see pic.3.

The value can be changed by using buttons . Values for typical materials can be obtained from the adjacent table. Put sensor tip on your pipe and take readings from display, see pic.4.

Material	Vm/s
Iron	5930
Steel	5920
Rubber	2311
Cast Iron	5100
Stainless Ste	5740
Copper	4720
Lead	2400
Aluminium	6360
Brass	4399
PVC	2388
Plexiglass	2692
Polystyrene	2337
Glass	5639
Concrete	4000
Epoxy	2540
PE	1900
Teflon	1422

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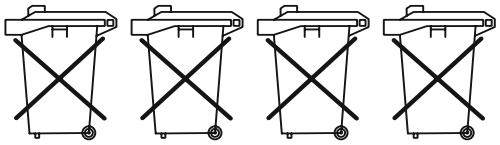
Disposal

Note!

- Avoid environmental damage caused by media-contaminated parts
- Dispose of the device and packaging in an environmentally friendly manner
- Comply with applicable national and international disposal regulations and environmental regulations.

Batteries

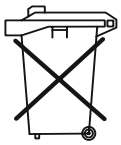
Batteries containing pollutants are marked with a sign consisting of a crossed-out garbage can and the chemical symbol (Cd, Hg, Li or Pb) of the heavy metal that is decisive for the classification as containing pollutants:



Cd[1] Hg[2] Pb[3] Li[4]

1. „Cd" stands for cadmium
2. „Hg" stands for mercury
3. „Pb" stands for lead
4. „Li" stands for lithium

Electrical and electronic equipment



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Version K02/0722