









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 |  Scroll up / Increase |
|  Enter |  Calibration | |



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 . 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



The instruction manuals on our website www.kobold.com are always for currently manufactured version of our products. Due to technical changes, the instruction manuals available online may not always correspond to the product version you have purchased. If you need an instruction manual that corresponds to the purchased product version, you can request it from us free of charge by email (info.de@kobold.com) in PDF format, specifying the relevant invoice number and serial number. If you wish, the operating instructions can also be sent to you by post in paper form against an applicable postage fee.

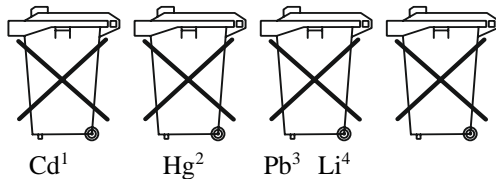
Disposal

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.

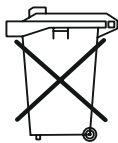
Batteries

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:



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

Electrical and electronic equipment



Manufactured and sold by:

Kobold Messring GmbH
Nordring 22-24
D-65719 Hofheim
Tel.: +49 (0)6192-2990
Fax: +49(0)6192-23398
E-Mail: info.de@kobold.com
Internet: www.kobold.com

Version K02/0722