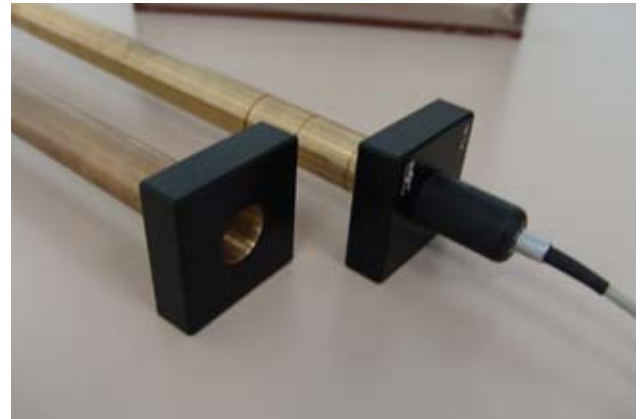


Testing of brass tubing with inner coils

LDB 77-1 inner coils are bridge coils with a differential circuit. They are designed for the medium frequency range from 5 kHz to 200 kHz. These coils are used almost exclusively for testing heat exchanger tubes installed in power plants. The condition of the tube to be tested defines the diameter of the coil. If the conditions are good, work can be conducted with a coil whose diameter is 0.5 mm smaller.

Reference defect tubes are always required in order to conduct the test. The display above was recorded using test piece TP23.



LDB 77-1 inner coil

Application:

The ELOTEST M3 is a 2-frequency test device. Interference signals can be suppressed in 2-frequency operation using the signal combination (MIX) possible by selecting the MIX function option. Interference signals that often occur during inner tube testing: Displays via supporting arches or periodic displays of the pilgrim steps. The combination of 2 frequencies and the impedance image determined through subtraction enables a determination of the type of defect that can be analyzed.



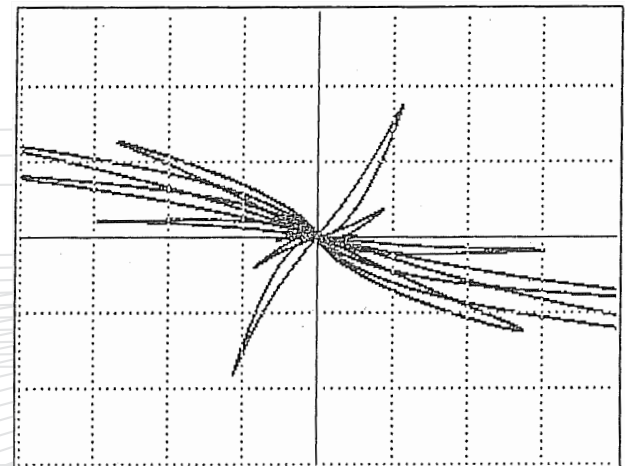
Probe system: Differential coil in a bridge circuit
Frequency range: 5 kHz - 200 kHz

Technical data

With permanently connected 15 m cord, without centering. Pushing tube length = 10 m.

Can be used for the range of dimensions from 5 - 50 mm.

Order data: A00xxx11 (Please inform us about the diameter)



Frequency:	60.0 kHz	BandWidthLimit:	 MediumFreq.
Phase:	 133.5 °	X-Offset:	 0
Amplitude:	 100 %	Y-Offset:	 0
Preamplifier:	 20 dB	Probe Input:	 Univ. Bridge
MainAmp:	 24 dB	Display:	 y/x center
Y-Spread	 0 dB	Record:	 on
Total Gain:	 44/44 dB	Record Time:	 20s
Lowpass:	 20.0 Hz	Grid Width:	 40 dot
Highpass:	 static	Intensity:	 5
HD-Filter:	 0	GateMode:	 Circle
HF-Attenuator:	 off	Timebase:	 5ms
		Persistence:	 0.2s/200 kHz
		DotJoin:	 off
		Audio Alarm:	 off