OKTANTA

Design and manufacture of
non-destructive testing equipment

EM2210
Mini EMA thickness gauge with A-scan*



* A pocket-size thickness gauge.
Working with A-scan while connected to an Android smartphone or tablet is implemented.

Application of EM2210:

EM2210 is designed for thickness measurement of steel pipes, flat steel, steel rods and other steel, aluminum or other metal constructions.

2 in 1 when connected to a tablet using ScanView program:

- non-contacting thickness gauge;
- flaw detector for pitting corrosion search.



EM2210 is easily calibrated using specified thickness or sound velocity.

EM2210 thickness gauge is registered in the Russian State Registry of Measuring Equipment. Certificate number RU.C.27.003.A №62337.

EM2210 allows measurements:

- without usage of coupling media;
- without surface pretreatment;
- after a single button touch;
- through the working gap up to 3 mm;
- on both flat surfaces and surfaces with radius of curvature from 10 mm.





EM2210 mini thickness gauge can be supplemented with **AR glasses** upon your request. AR glasses allow using the EM2210 in hard-to-reach places, where display readouts are impossible or difficult. In this case the readouts are displayed on the lenses of AR glasses and the operator can always see them.

EM2210 specifications

Thickness range (steel)	2…200 mm
Thickness measurement error 2...60 mm	0.08 mm
Thickness measurement error 60...200 mm	0.1 mm + 0.005·H
Permissible gap between the device and the test object	up to 3 mm
Permissible sensor skew	±25 °
Highest number of measurements per second	16
Lowest permissible radius of curvature of the tested object surface	10 mm
Range of sound velocity setting	1000…9999 m/s with 1 m/s step
Range of operating frequency	3…5 MHz
Duration of continuous work without battery recharge	5 hours
Type of excited wave	Transverse wave with radial polarization in the plane of test object surface
Operating temperature range	-20…+ 50 °C
Dimensions	163x39x32 mm





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