

# ULTRASONIC THICKNESS GAUGES

## A1207

Express testing of metals



- Thickness measurement from 0,8 mm to 30 mm
- Pocket size and light weight
- Easy to set up and to use
- Thickness measurement of the small diameter pipes (from 20 mm)
- Replaceable built-in transducer

Frost-resistant ultrasonic thickness gauge

## A1208



- Thickness measurement from 0,7 mm to 300 mm
- Efficiency from -30°C to +50°C temperature
- Thickness measurement of metals, cast iron, plastics and other materials with high ultrasound attenuation
- Thickness measurement through the paint coating
- Scanning of the object using the single wear resistant transducer

## A1209

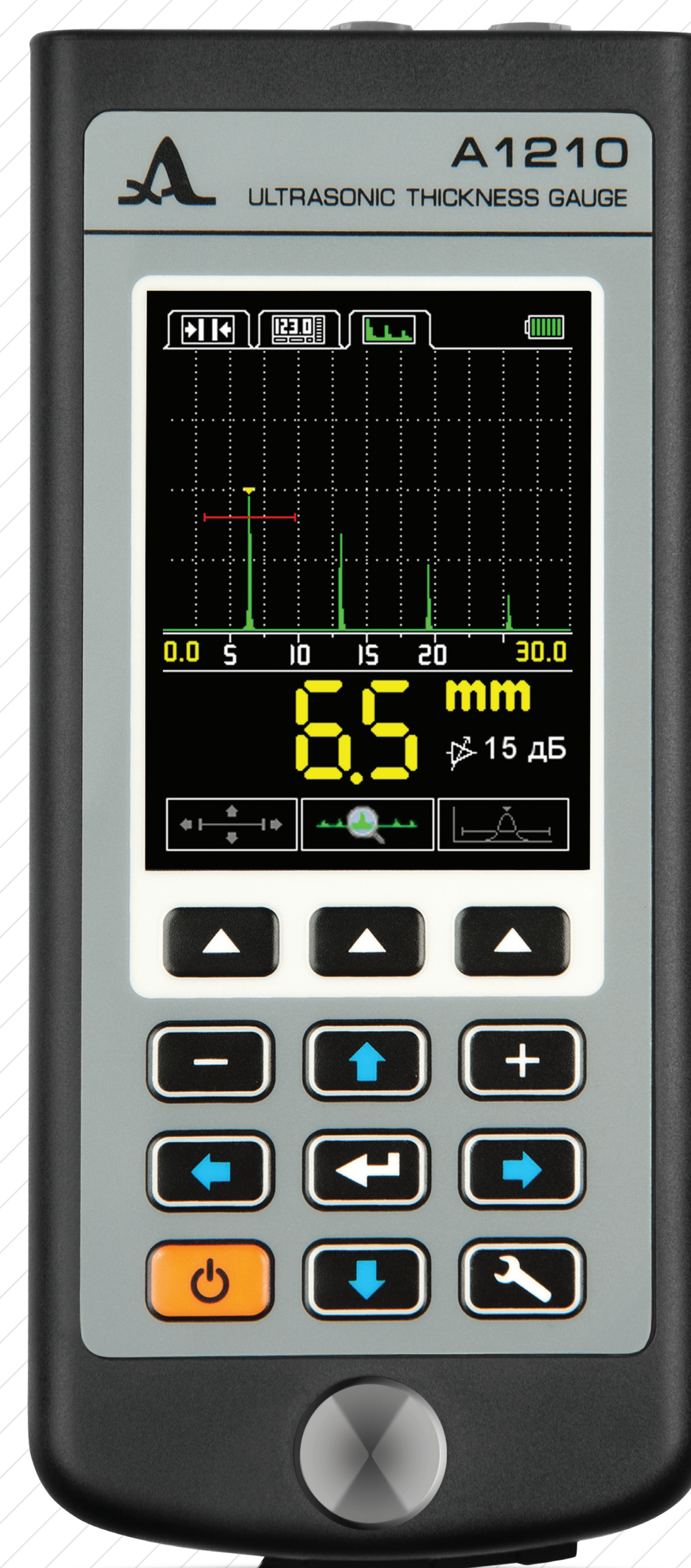
Universal ultrasonic thickness gauge



- Thickness measurement from 0,7 mm to 300 mm
- Velocity calibration on the material with known thickness
- Nonvolatile memory for 50 000 measurements
- Testing of the heated objects with temperature up to +250°C
- Indication of residual thickness of the object in per cent

Thickness gauge with A-Scan

## A1210



- Thickness measurement from 0,7 mm to 300 mm
- A-Scan mode with an option to save images to memory
- Velocity calibration on the material with known thickness
- Thickness measurement of metal through polymeric (polyethylene) and paint coating without skinning.
- Indication of the range limits violation – with color, sound and vibro



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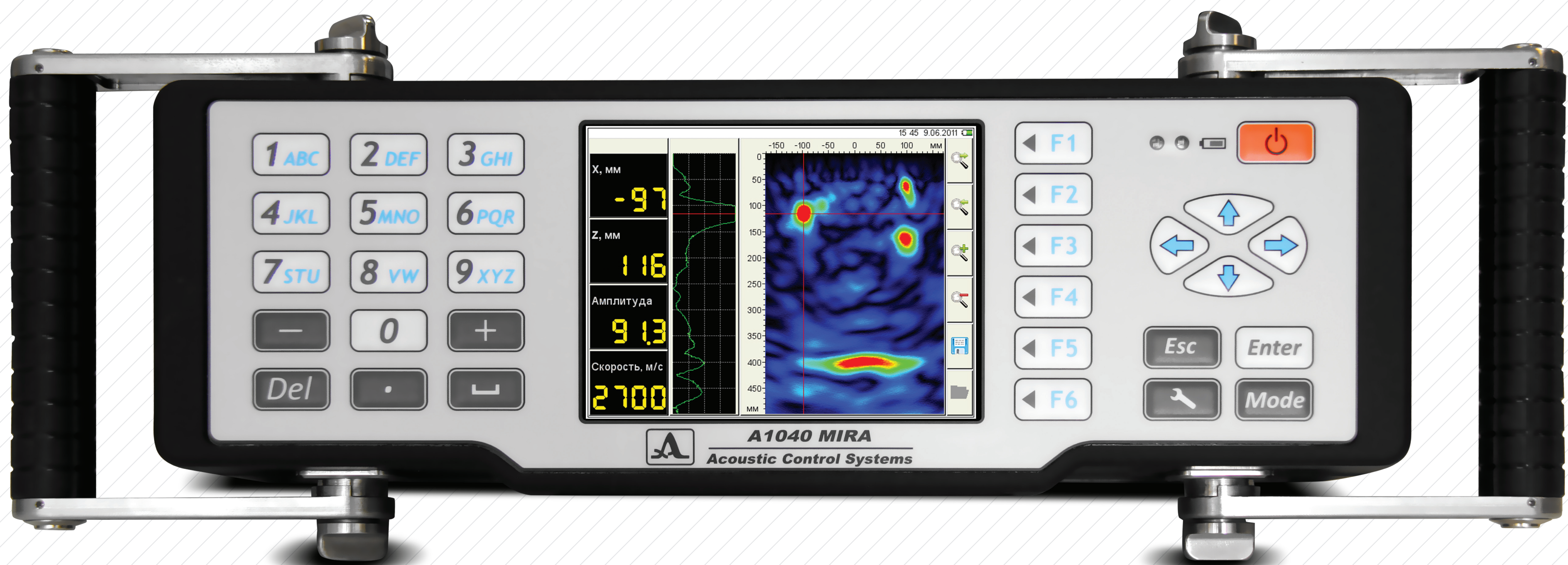
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# CONCRETE INSPECTION

## A1040 MIRA

Ultrasonic tomography

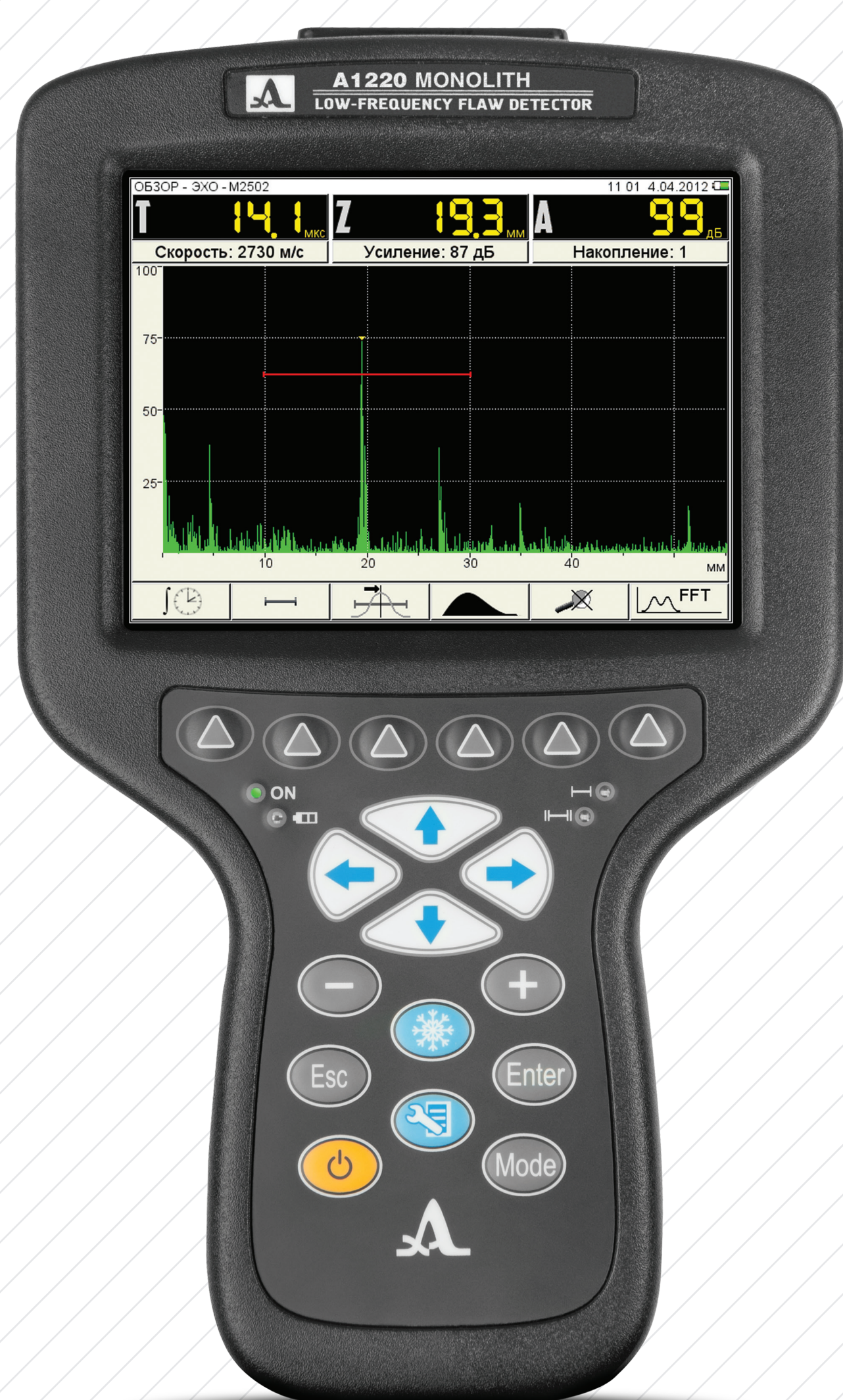


- Visualization of the internal structure of the concrete and reinforced concrete as real-time section imaging (B-Scan) with one-side access
- Estimation of integrity of the material, locate inclusions, cavities, voids, lamination, misruns and cracks and measure thickness
- Maximum view depth in concrete – 2500 mm

- Maximum view depth in reinforced concrete – 800 mm
- 3D representation of the internal structure of the tested object as B-, C- and D-Scans of any cross-section of the object
- Wear resistant tips of the dry point contact transducers
- Adaptation of the antenna array to unevenness of surface
- High accuracy of measuring and sensitivity to various reflectors

## A1220 MONOLITH

Ultrasonic flaw detection and thickness measurements



- Inspection can be carried out by pulse-echo method and through transmission method
- Traditional form of displaying signals as A-Scans of detected as well as undetected (radio signal) types. Hence, perform testing objects with a lot of structural noises and to distinguish signal and noises, various types of reflectors
- Inspection can be carried out without using contact liquid thanks to the dry-point-contact transducers used in the antenna array - there is no need to prepare the surface

## UK1401

Ultrasonic tester for evaluation of the durability of concrete



- The evaluation is based on correlation between time of propagation/velocity of longitudinal ultrasonic waves in concrete. Measurements are performed by the surface scanning with a fixed base
- Search for near-surface flaws in the concrete structures by abnormal decreasing of ultrasound velocity or increasing of the propagation time in the flaw area
- Evaluation of anisotropy in composite materials
- Evaluation of the load-carrying ability of concrete backbones and posts
- Evaluation of the depth of the outcrop cracks



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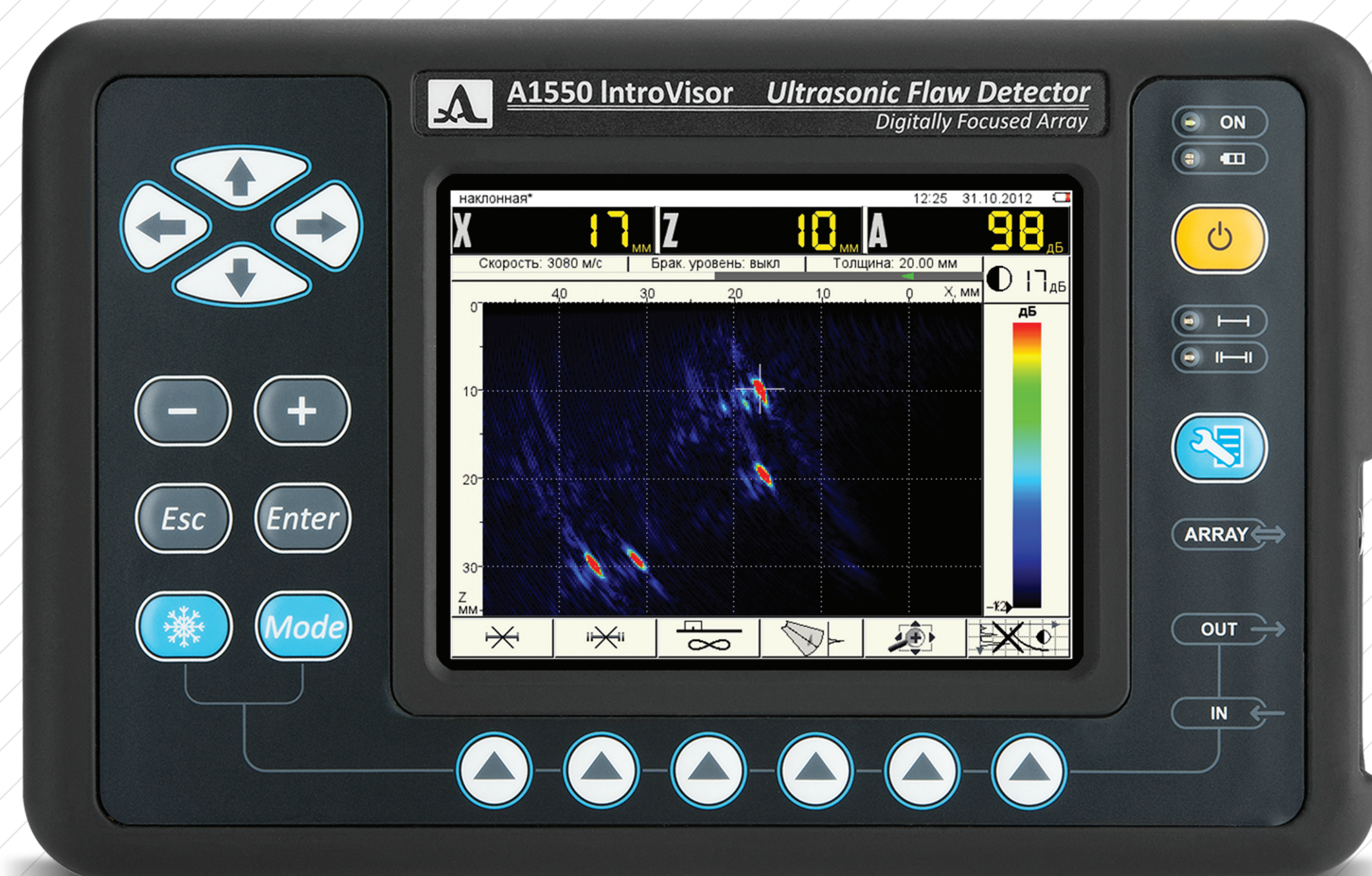
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# ULTRASONIC FLAW DETECTION OF METALS

## A1550 IntroVisor

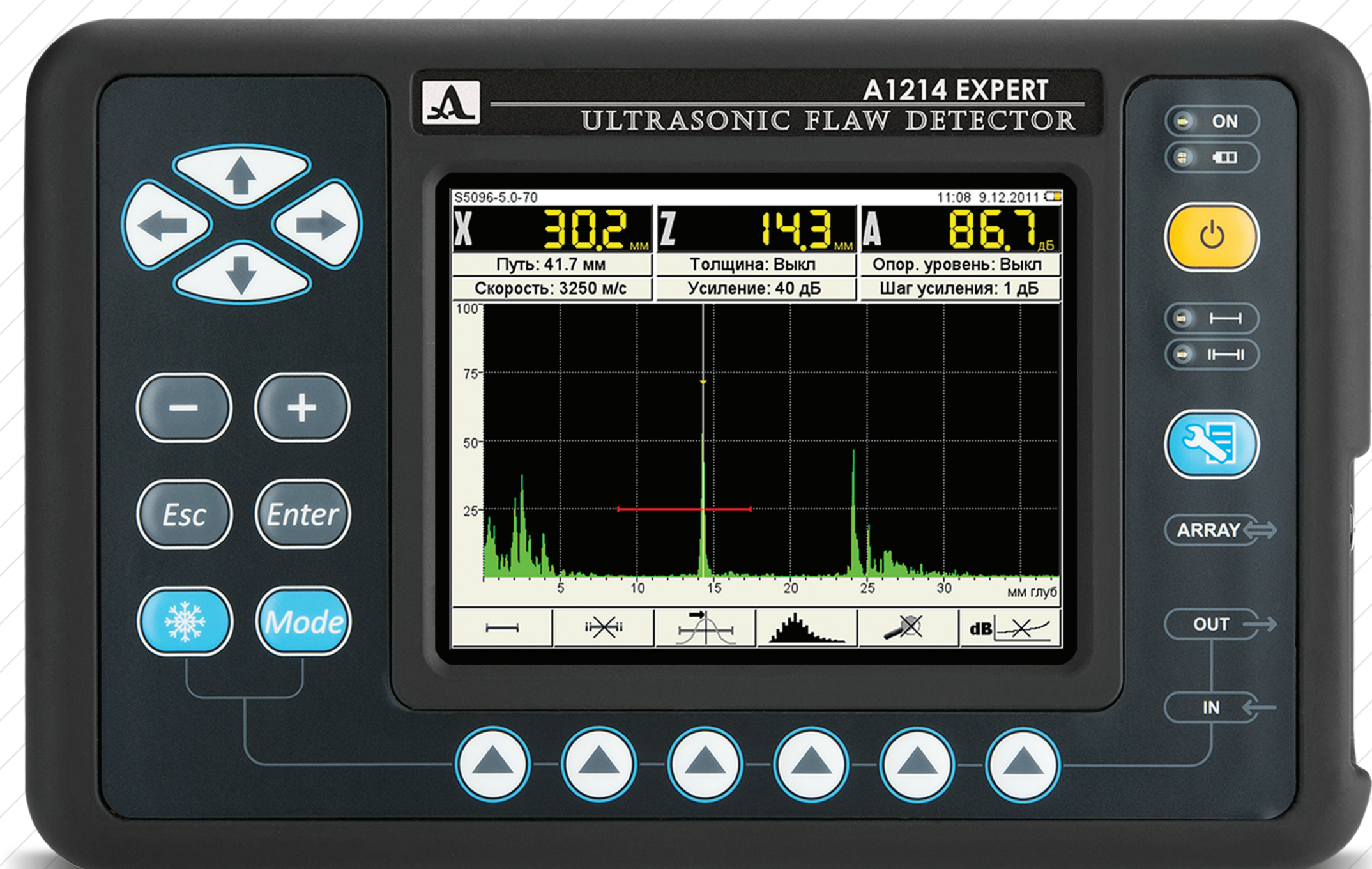
Visualization of the internal structure



- Ultrasonic flaw detector-tomograph with 16 elements Digitally Focused Array (DFA)
- Visualization of the internal structure of the object as a real-time section imaging (B-Scan) making the results interpretation much easier
- Device is a combination: portable tomograph and traditional flaw detector with classic normal and angle transducers (built-in TCG, DGS and DAC curves)
- Scanning along weld joints used the antenna array with an encoder provides real-time image of the object as C- and D-Scans

## A1214 EXPERT

Classic version of the ultrasonic flaw detector



- Large high-contrast color TFT display with high resolution (640x480)
- Quick-detachable frost-resistant battery
- Operation temperature from -30°C to +55°C
- Voice comments can be added to saved A-Scans by dint of free-hand Bluetooth set
- User – friendly interface with shortcut keys
- Built-in TCG, DGS and DAC curves

## A1212 MASTER

Universal ultrasonic flaw detector



- All features of an up-to-date flaw detector in a compact case
- Handy for travelling and for using in cramped and hard conditions
- Weight – 0,8 kg with the battery
- Maximum operation time – 8 hours
- The electronic unit can be mounted to a special pad to have both hands free and to work at hard-to-reach places and at heights
- Built-in TCG, DGS and DAC curves

## A1211 Mini

Tiny flaw detector



- It is the lightest flaw detector – only 210 g with the battery
- Easy-to-use menu and quick settings
- High-contrast informative TFT display with the possibility to change the image orientation if the device is turned 90 degrees
- Built-in digital TCG
- USB connection to PC



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