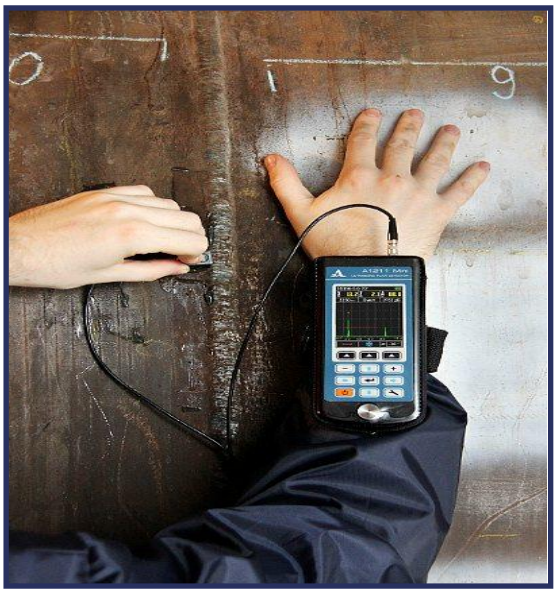
TINY ULTRASONIC FLAW DETECTOR
A1211 MINI



The tiny ultrasonic flaw detector A1211 Mini is a fully digital, small sized general purpose ultrasonic flaw detector. Provides an implementation of standard and specialized techniques of ultrasonic testing, performance, and accuracy.

Purpose

- Testing of weld seams
- Search of places of corrosion, cracks, internal stratifications and other flaws
- Finding out the coordinates and evaluating the parameters of the flaws in objects from metals and plastics
- Thickness measurement

A handheld full functional ultrasonic flaw detector intended for ultrasonic inspection of metals and plastic, inspection of welding lines, thickness measurements.

The main feature of the device is its small weight and sizes, which allows working in difficult and cramped conditions, and also makes the flaw detector convenient for business trips.

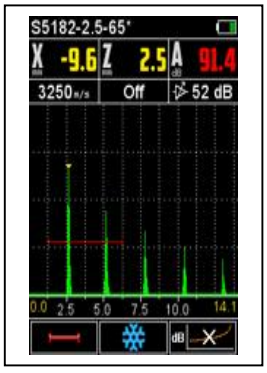
Simple and easy-to-use menu of the main settings for promptly choosing and setting working configuration parameters and an intuitive interface allow professionals of any qualification level easily start working with the device.

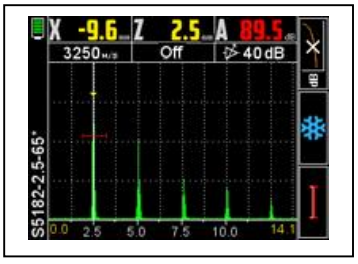
The flaw detector has a high-contrast informative TFT display with the possibility of changing the orientation of the image if the device is turned 90 degrees.
A small holder built in the body provides a reliable fastening on metal surfaces for easy work in difficult-to-reach places and on heights.

Features

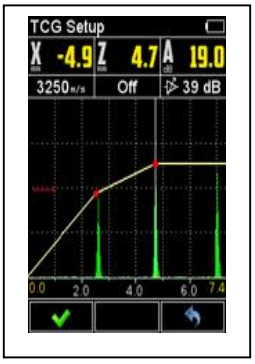
- Measurement of the signal levels and defects coordinates
- The ability to select the type of scale: mm - depth, μs - time
- Quick access to the control functions
- Three-level gate corresponding to the level of assessment of defects found (acceptance, reporting, examination) for correct sizing of defects across the thickness of an object of inspection
- Ability to display of A-scan signal and additional information: the speed ofultrasound, the thickness of the object of inspection, frequency signal reflection, gain
- Indication of exceeding the reference level - color, sound, vibration
- The battery level indicator
- Operational management of the unit backlight
- Discreteness of indicated measurements: 0.1 or 1 mm
- Communication with PC via USB
- Software for receiving data from the device and store it on your PC
- Specialized case to protect the electronics from dirt, dust and water, with the possibility of mounting to an arm

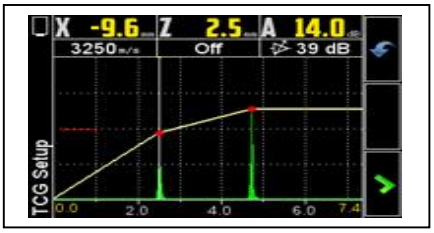
Ability to change the image orientation when rotating the device display 90 degrees



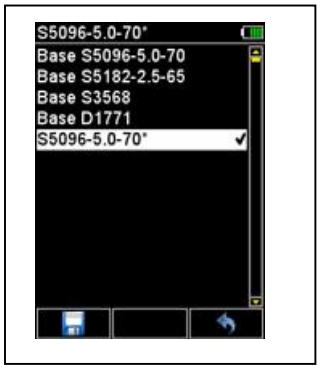


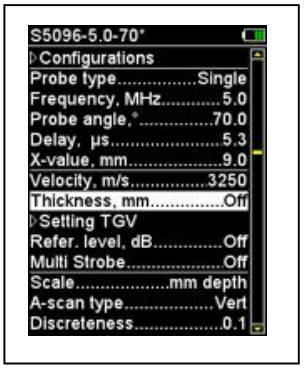
Configuration mode digital TCG is able to display information in a horizontal and vertical version of the image orientation



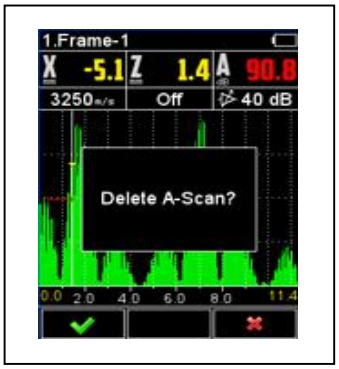


Convenient setup menu with the ability to save and load configurations





Memory for 100 measurement results with the ability to save, view and delete images of the A-scan



Parameter	Value
Velocity range	from 1 000 to 14 999 m/s
Working frequencies	from 0.5 to 15.0 MHz
Gain regulation range	from 0 to 80 dB
Gain setting step	1 dB
Flaw coordinate measuring range (on steel) with a normal transducers:	
transducer S3568 2.5A0D10CL	from 7 to 900 mm
transducer D1771 4.0A0d12CL	from 2 to 450 mm
Permissible basic flaw coordinate measuring accuracy with an normal transducers	± (0.03H + 1.0) mm
Flaw coordinate measuring range (on steel) with an angled transducers:	
transducer S5182 2.5A65D12CS	from 2 to 200 mm
transducer S5096 5.0A70D6CS	from 2 to 90 mm
Permissible basic flaw coordinate measuring accuracy with an angled transducers:	
depth H	± (0.03H + 1.0) mm
distance on surface L	± (0.03L + 1.0) mm
Display type, display resolution	TFT, 320 x 240
Power supply	Li-Pol battery
Power	3.7 V
Operation time from battery, not less than	9 h
Size	161 x 70 x 24 mm
Weight	210 g
Operation temperature	from -20 to +55 °C

KIT INCLUDES:

- A1211 Mini - Flaw Detector Electronic unit
- Single LEMO 00 – LEMO 00 cable 1,2 m
- Transducer S3568 2.5A0D10CL (2,5 MHz)
- Transducer S5182 2.5A65D12CS (2,5 MHz)
- Transducer S5096 5.0A70D6CS (5,0 MHz)
- USB adapter for 220V
- USB A-Micro B cable
- Soft cover
- Soft bag

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