

# ULTRASONIC FLAW DETECTOR A1214 EXPERT

Traditional general-purpose flaw detector with long operation time and frostproof battery

## FEATURES

- Easy instrument setup and high efficiency inspection.
- Shockproof case of IP65 ingress protection rating.
- Anti-slipping rubberized coating of the instrument's electronic unit case.
- Large high-contrast color TFT display with high resolution (640 x 480 pixels) allows conveniently operating with the instrument for the long time.
- User-friendly interface with «quick access» keys.
- Quick-detachable frost-resistant battery.
- Maximum operation time is 18 hours.
- Electronic unit of the flaw detector with the battery weights just 1.8 kg.
- Voice comments can be added to the saved results by means of the freehand Bluetooth set.
- USB-port for connection with PC.
- Traditional A-scan allowing imaging of the detected output signals, as well as undetected R-F signal (radio signal).
- The pulse envelope of the maximum signal is memorized on the display thus allowing conveniently adjustment of the transducer specifications.
- Automatic detection of the signal level and locations of the flaws when operating with the monitor level (three-level gate).
- Adjustable pulse repetition frequency (up to 1000 Hz).
- Built-in signal amplitude correction types: DGS-diagrams, TCG, and DAC-curves.
- Compatible with a wide range of transducers of multiple manufactures.
- Operating temperature range is from -30 to +55 °C.



## DELIVERY KIT

- A1214 EXPERT – an electronic unit of the flaw detector
- Transducer D1771 4.0A0D12CL (4.0 MHz, normal)
- Transducer S3568 2.5A0D10CL (2.5 MHz, normal)
- Transducer S5182 2.5A45D12CS (2.5 MHz, angled 45°)
- Transducer S5096 5.0A45D6CS (5.0 MHz, angled 45°)
- LEMO 00 – LEMO 00 double cable 1.2 m
- LEMO 00 - LEMO 00 single cable 1.2 m
- AC-power adapter with a cable
- USB A - Micro B cable
- Calibration sampleV2/25
- Soft cover
- Couplant for ultrasonic inspection «ACS-gel», 0,1 kg
- Case

## FOUR GENERAL-PURPOSE TRANSDUCERS:



**S5096 5.0A45D6CS** — an angled, single-crystal transducer (5.0 MHz; 45°) for non-destructive testing of the welding joints of metal objects when inspected objects have a thickness from 4 to 12 mm.



**S5182 2.5A45D12CS** — an angled, single-crystal transducer (2.5 MHz; 45°) for non-destructive testing of the welding joints of metal objects when inspected objects have a thickness from 12 to 30 mm.

When inspected objects have thickness exceeding the specified values, other transducers with different ultrasonic frequencies and angles must be used on a case-by-case basis.