

# ULTRASONIC THICKNESS GAUGE

WITH A-SCAN

# A1210



## APPLICATION

Thickness measurements of the steel pipe walls and objects made of metal, cast iron, plastic, and other materials possessing high ultrasonic attenuation properties.

The thickness gauge can be operated in the imaging mode when the measurement results are displayed as digital values, or in the mode of graphical representation of the A-Scan signal.

Instrument can be operated with double-crystal and single-crystal transducers.

**S3567 2.5A0D10CL** (is included into the delivery kit) and **S3569 5.0A0D10CL** single-crystal transducers (are operational from -20 to +50°C)

with wear-resistant ceramic protective cover allows:

- thickness measurements of thick-walled objects made of metal, cast iron, plastic and other materials possessing high ultrasonic attenuation properties.
- quick searching for foreign inclusions and delamination of structure.
- obtaining accurate results while measuring through paint coatings.
- scanning of the testing object.



### D1771 4.0A0D12CL

(is included into the delivery kit) double-crystal transducer allows:

- thickness measurements on the corroded surfaces, as well as on smooth flat objects, at that no additional adjustments are required, thus the inspection process is essentially simplified and activated.
- obtaining accurate results in the A-Scan mode while doing measuring through polymer coating and other types of insulation coatings.



## FEATURES

- Thickness measurement range (for steel) is from 0.7 to 300.0 mm
- Imaging of the A-Scans signal
- Built-in lithium rechargeable battery
- Continuous operation time — 9 h
- Large, information-bearing, color TFT display with possibility to change the orientation of the image by 90 degrees
- Measurement discreteness is 0.01 or 0.1 mm
- Automatic detection of velocity on the object of known thickness
- Nonvolatile memory can store up to 50 000 measurement results
- Color, sound and vibro-indication
- A magnetic holder built into the instrument's cover provides easy operation in difficult-to-reach places and on heights
- Data transmission to PC via the USB cable

## DELIVERY KIT\*

- A1210 — an electronic unit of the ultrasonic thickness gauge
- LEMO-LEMO single cable 1.2 m
- LEMO-LEMO double cable 1.2 m
- Transducer S3567 2.5A0D10CL
- Transducer D1771 4.0A0D12CL
- AC-power adapter 220 V— USB
- USB A— Micro B cable
- Couplant for ultrasonic inspection «ACS-gel», 0,1 kg
- Soft cover
- Case

### \*Additionally transducers:

D2763 10.0A0D6CL, S3569 5.0A0D10CL, 5T 12/12 (high-temperature)