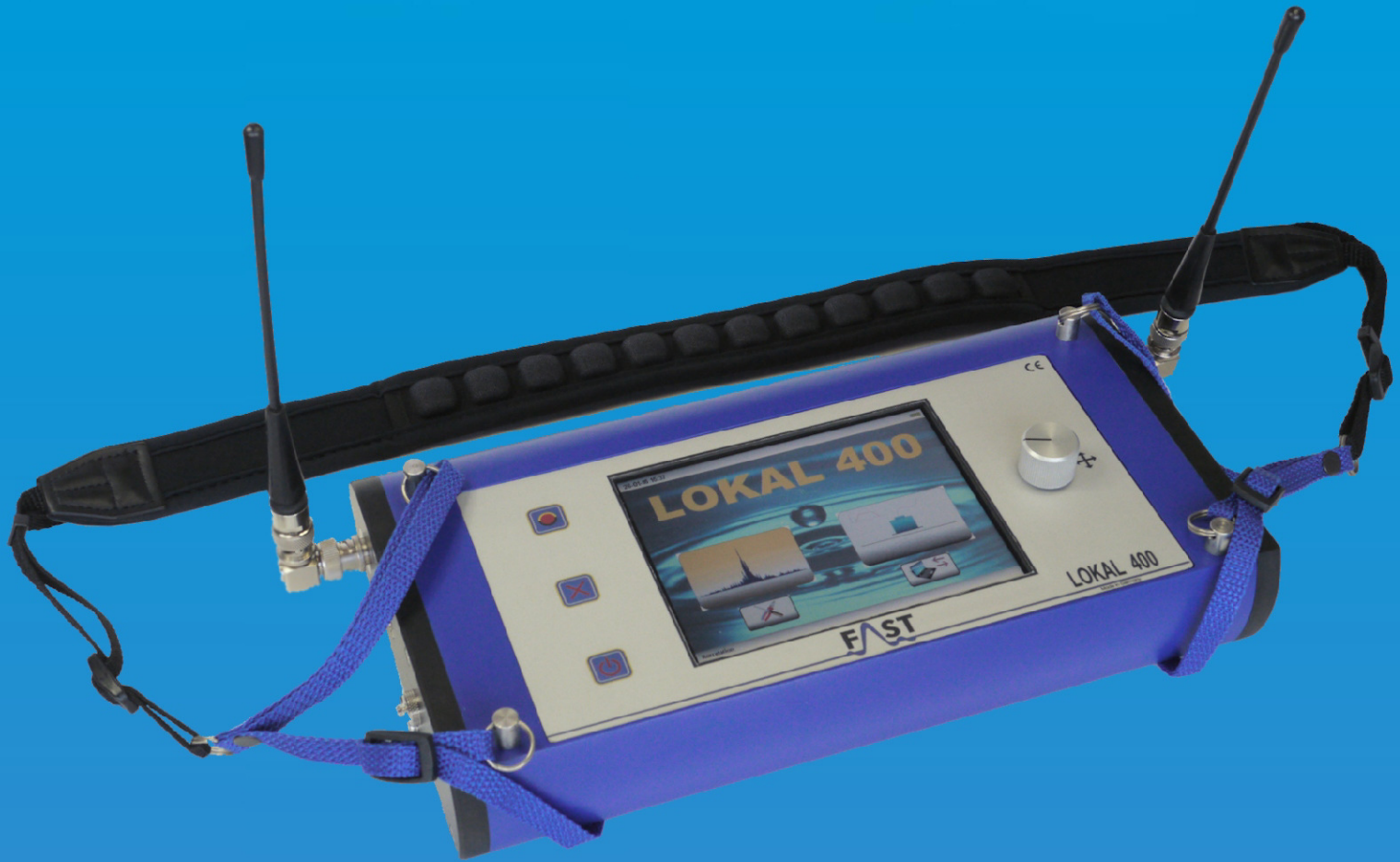


Geo-/Correlator

LOKAL 400



F A S T

Multi-functional Correlator

- Portable
- User-friendly control features
- Robust aluminium case
- Memory for measurement values
- Graphical and numerical value of leak noise
- 500 mW transmitter (with BTZ certificate)
- Plug-in point for headphones at central unit and measuring boxes
- Correlator / geophone / listening device in one compact system

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FAST

Geo-/Correlator LOKAL 400

Measuring principle

The LOKAL 400 has the latest technology for detecting leakages in pressurized pipelines. The pressurized medium inside the pipelines generates a leakage borne noise at the leakage spot. This noise travels in both directions through the pipe and is detected by highly sensitive sensors which are mounted at accessible places such as hydrants, valves etc. Moreover the LOKAL 400 can detect the leakages in pipes with 8 different pipe materials in one measurement (correlation and geophone). The amplified pick-up signal is transmitted to the control unit.

The LOKAL 400 used as a geophone amplifies the received signal more than 60,000 times and contains 256 free selectable filters to change the range of the quality received signal.

Testrod and Geophone

- Fully-fledged geophone with 256 free selectable band pass filter
- SMART function
- Volume control
- Memory for measurement values
- Graphical and numerical value of the leak noise
- Amplification: more than 60,000 times
- Case: robust aluminium
- Dimensions : 290*152*55mm



Technical specifications

Central Unit

Measurement Resolution	5 cm to 100 m pipe length
AFS function	automatic search for frequencies
Memory	up to 500 correlations
Interface	USB-interface
Connections	sensor/hydrophone/antenna/ headphones
Temperature range	-10°C to 55°C
Operating time	8 hours (continuous use)
High pass-filter	250 filter options
Low pass-filter	250 filter options
Protection class	IP65
Weight	2,5 kg

Measuring boxes

Display	numerical/graphical
Display data	current level/minimum level of noise, battery status
Transmitting power	500 mW
Operating time	8 hours in continuous use
Lighting	automatic
Temperature range	-10°C to 60°C
Case	robust aluminium case
Weight	2,5 kg

Sensors

F.A.S.T. standard	piezo-ceramic
Protection class	IP68
Temperature range	-10°C to 80°C
Frequency range	5 - 5000 HZ
Fixation	permanent magnet



Correlator

- Coherence display
- AFS functionality (automatic search for filters)
- Measurement on 8 sections with varying pipe materials
- High measurement accuracy on all kind of the pipe materials
- 32 bit correlation with 16 bit amplitude
- Automatic and manual selection of analog filters for suppressing disturbing noise