

## Electronic statoscope



### *Intended use*

Used for pistons equilibrium position determination during deadweight testers calibration..

### *Highlights*

May be used for calibration of piston-cylinder assemblies of any model and manufacturer, with any height of weight hanger, any piston stroke, and any design.

No probability of wrong piston position detection common for conventional light statoscope during visual position detection: piston height value is inputted at the digital display.

High precision of piston position detection (maximum permissible error is +/- 0.04mm) allows to use this instrument with deadweight testers of any accuracy class, including pressure standards.

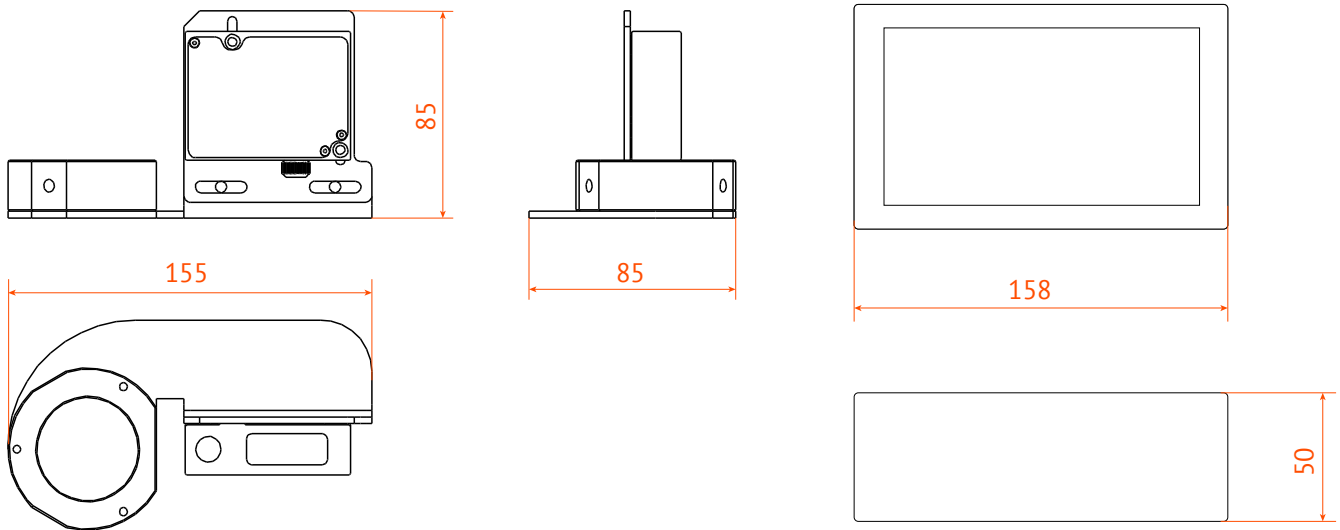
User-friendly interface.

Additional measurement of rate of fall of piston.

## Main Technical and Performance Data

	Electronic statoscope
Piston stroke measurement range	0...15 mm
Maximum permissible basic error	±0,04 mm
Resolution	0,01 mm
Power supply	220V/50Hz

## Overall dimensions



## Principle of operation

Electronic statoscope consists of two high-precision laser sensors for length measurement with signal cables connected with display, and 220V/50Hz power supply unit.

Electronic statoscope is installed at pressure generator (PG) basement: each laser sensor shall be installed beneath weight hanger. Display may be installed either directly on PG basement or near the PG (on a table, shelf, etc).

Principle of operation: for every piston-cylinder assembly, piston lift value is measured and displayed. For every piston, stroke is preliminary measured, and average position is calculated.

Besides, electronic statoscope has pistons rate of fall measurement option.

## Certification

The electronic statoscope is not under mandatory certification.

## Package

### Standard package

- Electronic statoscope with mounting parts;
- User manual.

### Options

- Special mounting parts for different models of deadweight testers.