



StandAlone

Article No. S18534000

DIGITAL BURST TESTER

for:



For a fast and simple measuring of the burst pressure

Most important benefits

- ✓ **USER-FRIENDLY OPERATION**
for example, by a practical single-button start of the measurement
- ✓ **CUSTOMER-SPECIFIC MEASUREMENTS**
because of burst force detection through three different criteria
- ✓ **STANDARDS-COMPLIANT MEASUREMENTS**
by a freely-selectable contact pressure
- ✓ **EXTREMELY ACCURATE MEASUREMENTS**
because the robust construction prevents undesired bending

PRODUCT DESCRIPTION

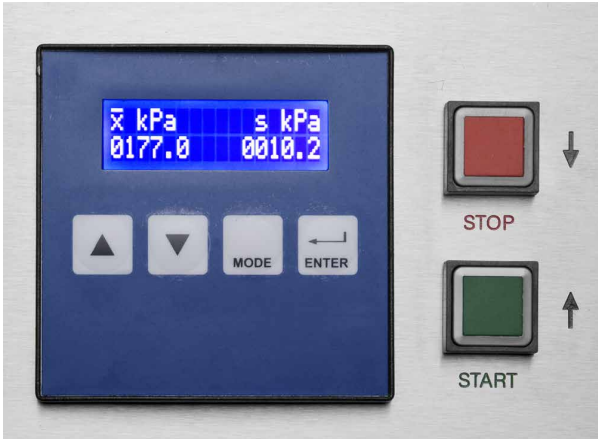
The FRANK-PTI digital burst tester convinces in every aspect. The solid base construction avoids undesired bending that falsifies the measurement results. The high-precision measurement mechanics of the device provides extremely accurate measurement results. The measurement mechanics essentially consists of a clamping bell, a membrane and pressure and force sensors. Also, with regard to its ergonomic design and safety this instrument is of the highest order. An acrylic glass cover protects the measurement area and prevents injuries. The digital display and the control elements (start and stop buttons) are installed at the front side.

TEST DESCRIPTION

After placing the sample in the measurement area, the measurement is started by pressing the start button. The clamping bell moves downwards and clamps the sample. The glycerine beneath the membrane is condensed and continuously pushes the membrane against the sample. The sample bulges and loses stiffness until it breaks. The clamping bell returns to its initial position. The measured burst value is shown on the digital display and, simultaneously, the value is stored in a statistics. If several measurements were done, the values can be compared and standard deviations displayed.



Measuring area



Digital display with controls, start and stop button

TECHNICAL DATA

DEVICE/INSTRUMENT

- Hydraulic system (glycerine)
- Motor-powered
- Pneumatic sample clamp – Contact pressure adjustable according to standards
- Digital display
- Statistical functions
- Accuracy: ± 1 % of the displayed value
- Safety protection
- Compatible to Probnert

MEASUREMENT OF BURST STRENGTH

Measuring range with paper 20–2000 kPa

Measuring range with board 20–10 000 kPa

RESULTS

Mean value x (cross)

Standard deviation s

Smallest measured value min

Biggest measured value max

Single values (1)

CONNECTION

RS232

INSTALLATION REQUIREMENTS

Power supply 110–230 V, 50–60 Hz

Compressed air 400–600 kPa

DIMENSIONS & WEIGHT

Dimensions (WxDxH) 29x52x63 cm

Net weight 55 kg



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APPLICABLE STANDARDS

DIN EN ISO 2758 Paptac D19P

DIN EN ISO 2759 BS 3137

SCAN P25/P24 ASTM D477

Tappi T403/T807