



StandAlone

BENDTSEN

For determination the of surface roughness and air permeability.

For:



✓ PAPER



✓ BOARD



MODELS

UP TO 3 MEASUREING HEADS IN ONE DEVICE

- Air permeability
- Roughness bottom side
- Roughness top side

AVAILABLE FLOW SENSORS

- 5 – 3,000 ml/min
- 10 – 5,000 ml/min

Optional:
Extended measuring range:
1 – 5,000 ml/min



✓ ModularLine-
capable



✓ ProbeNet-
capable

MOST IMPORTANT BENEFITS

- ✓ Easy operation via the inbuilt touch screen
- ✓ Automatic positioning of the measuring heads on the sample
- ✓ Measuring time and -speed adjustable
- ✓ Measuring of air permeability and roughness at the same time

FRANK-PTI
QUALITY TESTING INSTRUMENTS

SUBSIDIARY OF  Heraeus

Germany

FRANK-PTI GMBH
Auf der Aue 1
69488 Birkenau
Tel.: +49 6201 84-0
office@frank-pti.com

Austria

PAPER TESTING INSTRUMENTS GMBH
Hauptstrasse 41a (at BDZ)
4663 Laakirchen
Tel.: +43 7613 90607-0
office@at.frank-pti.com

www.frank-pti.com

PRODUCT DESCRIPTION

The specially developed ModularLine housing, which comes as standard with user-friendly touch screen and the FRANK-PTI connection, offers an exceptional basis for the high-precision measurement technology of the Bendsten. This consists, in essence, of up to three pneumatic measurement cylinders with the measurement heads corresponding to the test technique, the regulation system, and the precision sensors. To prevent wear to the touch screen, the separate start button on the device can be used. The ModularLine Bendsten can also be used as a separate laboratory device, as well as for profile testing as a module on the ModularLine.

TEST DESCRIPTION

The sample to be tested is placed in the measurement area. On pushing the start button, the measurement cylinders lowers onto the material. During testing of the surface roughness, the measurement head is detached from the magnetic holder to press on the sample with its own weight. Depending on selected measurement pressure, a pressure difference of 0.74, 1.47 or 2.20 kPa is created and the air escaping between measurement blade and sample is measured. During measurement of air permeability, the material to be tested is sealed at the side by the measurement head and the throughflow through the sample is measured. On the touch screen, the air permeability and roughness are displayed numerically in ml/min.

TECHNICAL DATA

DEVICE/INSTRUMENT

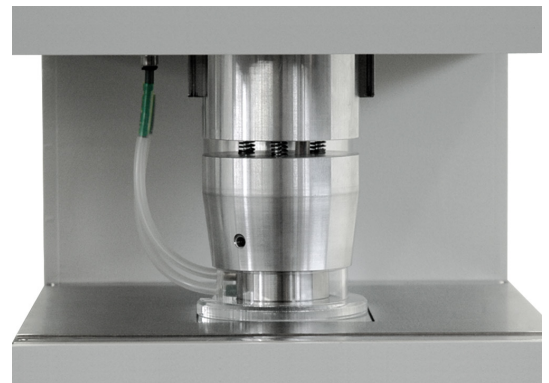
- Easy operation via the integrated touch screen
- Flow: 10 – 5,000 ml/min
- Measuring time adjustable: 1 – 40 sec
- Pressure difference adjustable: 0.74 kPa, 1.47 kPa, 2.20 kPa
- FRANK-PTI standard-ports (see page 6)
- Compatible with ProbeNet (see pages 78 – 81)
- Useable as ModularLine unit

INSTALLATION REQUIREMENTS

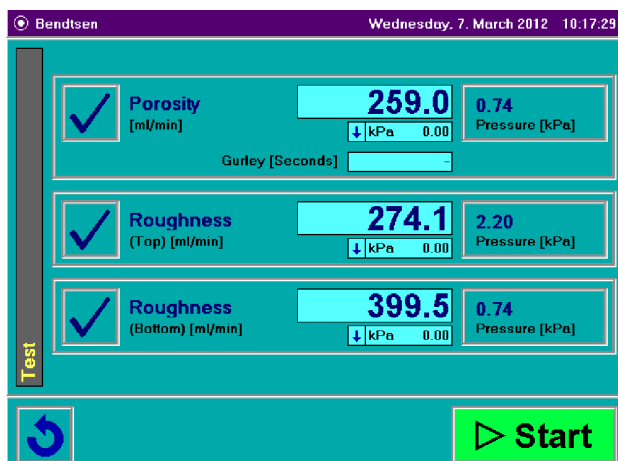
Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	6 bar

APPLICABLE STANDARDS

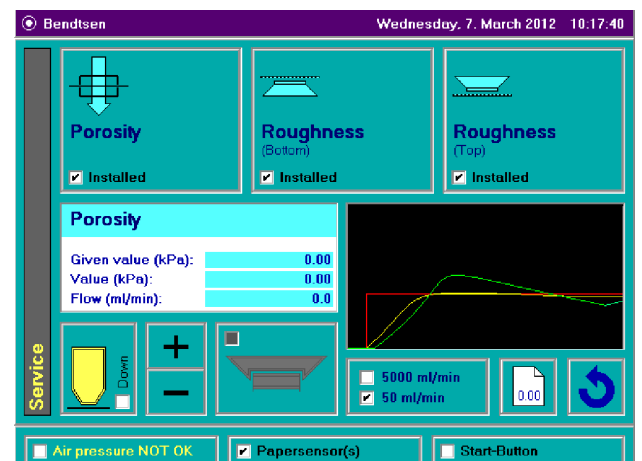
- DIN 53120-1
- ISO 5636-3, 8791-2



Measuring cylinder for surface roughness



Touch screen for 3 heads Bendsten



Service menu for 3 heads Bendsten