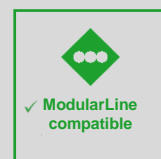


Modular Line

# PPS-Parker Print Surf Roughness Tester

For:

For Measuring roughness according to the Print Surf method



## MOST IMPORTANT BENEFITS:

- ✓ Easy operation via touchscreen or single buttons
- ✓ Automatic and manual testing process
- ✓ 2 versions available
  - Standard with one regular head – Measuring from below.
  - Version with upside down head – Measuring from above.
- ✓ Adjustable contact pressures:  
490, 980 and 1960 kPa
- ✓ Compensation of the barometric pressure

Produced by



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## PRODUCT DESCRIPTION

The print surf method is a technique for determining the surface roughness of coated or calendered papers. It is also used on newsprint paper. The ModularLine PPS roughness measurement device operates, as with other techniques, using the air leak method. It has a very precisely manufactured measurement head as well as outstanding measurement technology. The throughflow is determined using two sensors, guaranteeing reliable and highly accurate measurement results across the entire area. The configuration with two measurement heads allows the upper and lower surface of the sample to be measured at the same time.

## TEST DESCRIPTION

The sample is pressed against the measurement head at a defined pressure of 490, 980 or 1960 kPa. A pressure regulation system creates a pressure differential at the measuring mechanism of 19.6 kPa. The flow through is determined using the integrated sensors. The results are then calculated according to the formula required by the standard. Measurement areas smaller than 1  $\mu$  are automatically measured with an additional sensor for limited throughflow. This leads to a significant increase in accuracy and stability of the results, even in small areas.



PPS with safety cover and switch

## Technical Data

### DEVICE / INSTRUMENT

- Easy to use via touch screen
- Separate start and stop button
- Compensation of the barometric pressure
- Compatible with ProbeNet
- Can be used as ModularLine module

Protection class: 2  
Protection degree: IP44

### APPLICABLE STANDARDS

DIN ISO 8791-4  
ISO 8791-1t  
TAPPI T555  
\*more standards available

### MEASURING

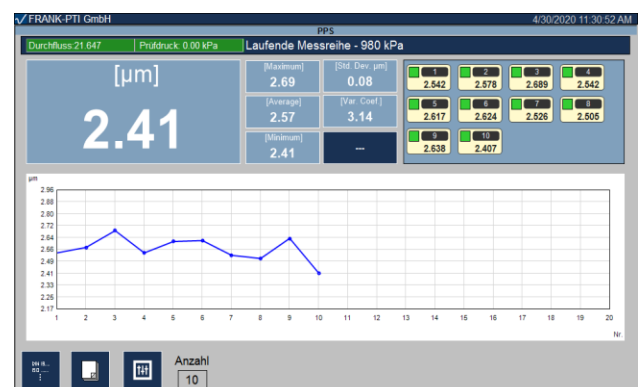
|                      |                                     |
|----------------------|-------------------------------------|
| Measuring area:      | 0,5-8 $\mu$ m                       |
| Results:             | roughness (=depth of r.) in $\mu$ m |
| Measuring accuracy:  | $\pm$ 1% of displayed value         |
| Pressure difference: | $\pm$ 0,005kpa linear               |
| Flow through:        | $\pm$ 0,5% of final value           |
| Measuring time:      | approx. 4 sec                       |
| Repeatability:       | $\pm$ 0,2 $\mu$ m                   |
| Reproducibility:     | $\pm$ 0,4 $\mu$ m                   |

### Connections

|                   |                                     |
|-------------------|-------------------------------------|
| Power             | 110-230V / 50-60Hz                  |
| Power consumption | <80 W                               |
| Water:            | no                                  |
| Compressed air:   | 6 bar<br>connection for hose<br>6mm |

### DATA

|           |                     |
|-----------|---------------------|
| RS232:    | Data output         |
| Ethernet: | Data output. / MQTT |
| USB:      | Updates / service   |



Measuring overview with single values, statistics and graph

# Article No. S62600



PPS with inserted soft backing disc

## DIMENSIONS

|             |                    |
|-------------|--------------------|
| Version     | <b>L x H x W</b>   |
| S62600001/2 | 270 x 590 x 570 mm |
| Weight      |                    |
| S62600001/2 | 53kg / 70kg        |

## ARTICLES / MODELS

- S626000001 ML PrintSurf (PPS) Roughness Top side
- S626000002 ML PrintSurf (PPS) Roughness Bottom side
- \* more versions and sensors on request

### Available Accessories:

- S626001002 Soft Backing Disc 1 pcs
- S626000003 Hard Backing Disc 1 pcs
- S406900001 ProbeNet Software inclusive one licence
- \*Requirements explained on request



Program view - manual mode



Hard Backing Disc and Soft Backing Disc  
(left to right)