

BASIC DEVICE

Px Serie

Semi and fully automatically testing devices

The versatile laboratory testing devices in the P-Series offer you the latest technology, space – saving design and maximum flexibility. Tailor the basic devices (P2 – P5) to your needs at any time – thanks to the practical 'Plug & Play' extension modules. This allows you to upgrade the semi – automatic basic device into a fully – automatic testing system at any time.

The new LAB.line design also offers many practical advantages. It is very easy to clean thanks to generous radii, rounded edges and smooth surface.

The P5 series sets new standards in laboratory testing technology. The P5 version automatically tests all five parameters. Using the VIBRALIGN / BELT / ROTO system integrated into the hardness station, the tablets are accurately rotated 90° and positioned for width measurement. The BELT system is used for difficult shapes as it can position the tablets even more accurately.



Pic. P-Series basic device



Pic. P-Series with all available modules

MEASURED PARAMETERS

**HARDNESS****LENGTH****WIDTH****THICKNESS****WEIGHT**

ADVANTAGES

- + Modularly expandable
- + "Plug & Play" - modules
- + Sensor – supported menu navigation
- + Integrated 360° -LED status display
- + Automatic positioning of tablets
- + Clean Design

FUNCTIONS

- Printouts configurable
- Monitoring of calibration interval
- Access control
- Automatic PDF export to an USB stick
- LIMS Interface (XML-File)
- Large product memory for up to 10000 products
- Access to charts during active test
- Plain text messages
- Fully automatic testing of all five parameters with the BELT – system (P5).

OPTIONAL MODULES

- Hood
- Feeder
- Separation
- Sample collector

OPTIONS

- Load cells:
40N, 400N (Standard), 800N
- BELT - System
- ROTO – System (manual grooving – plate)
- Mechanical tablets
- IQ, OQ, PQ



PX-SERIES

www.labline.info

MODEL					
	WEIGHT	THICKNESS	LENGTH	HARDNESS	WIDTH
P2	•	•			
P3		•	•	•	
P4*	•	•	•	•	
P5*	•	•	•	•	•

P4* with Grooving plate

P5* with VibrAlign or Belt system

TECHNICAL DATA

P-Series

Hardness

Measurement principle	Load measurement cell (LMZ) with strain gauge (DMS)
Measurement method	Constant speed or constant force
Measuring range	4 – 400N Standard, optional 4 – 40N / 8 – 800N
Measurement accuracy	4 – 40N (+/- 0.1N), 4 – 400N (+/- 1N), 8 – 800N (+/- 2N)
Units of measure	N / Kp / SC

Diameter / Length / Width

Drive	Stepper motor
Units of measure	mm / Inch
Measuring range	3 – 20mm
Measurement accuracy	+/- 0.05mm
Resolution	0.01mm

Scale

Model	Sartorius
Weighing range	0.01g – 10g
Weighing accuracy	+/- 1mg stable environment, +/- 2mg unstable environment
Resolution	0.1mg

Thickness

Drive	Stepper motor
Measurement principle	Linear potentiometer
Units of measure	mm / Inch
Measuring range	1 – 12mm
Measurement accuracy	+/- 0.05mm
Resolution	0.01mm

General

Touch display	7" capacitive touch-screen, resolution 800 x 400
Interfaces	2 x USB 2.0 / 1 x RJ45 LAN / 1 x RS-232 for external scale
Printer port	Network- or USB-printer

Weight

weight	15kg Basic device
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Power requirements

Main voltage primary	100 - 240 VAC, 50 / 60 Hz
Main voltage secondary	24 VDC / 5.0A, max. 120W

The devices comply with EG-Maschinenrichtlinien 2006/42/EG and EMV 2004/108/EG. Future technical changes reserved. Stand: 02-2016