

Short description of PPS1210 heatable pressure calibrator

The PPS1210 pressure calibrator with heatable pressure port allows you to quickly and accurately check your melt pressure sensors on-site and under operating conditions.

To test a sensor, screw it into the pressure port. A pressure pump creates initial pressure. By simply turning the head of the screw compressor you can easily create a pressure of up to 700 bar on the test piece screwed into the device. The built-in PID temperature controller can generate the desired temperature at the pressure port within a range from room temperature up to +400°C.



PPS1210 Pressure Calibrator



Aluminium transport case with pressure calibrator

Excel sheet for evaluating the measurement results

The data from the sensor being tested can be compared to the data from the integrated reference sensor via the electronics built into the calibrator, and for documentation purposes these can then be transferred to a PC or laptop via a USB interface. There, they can be displayed, saved and processed further as required.

The data from the test piece can be easily documented and archived in an Excel spreadsheet (a template can be found among the software included).

The pressure calibrator is delivered in a sturdy aluminium transport case with fitted foam inlays.

Special features - Operating data:

- Pressure range 0 700 bar (other pressure ranges can be supplied on request)
- Pressure port 1/2"20UNF or M18x1.5 (other sizes available on request)
- Accuracy <0.05% FS
- Pressure display in 13 different units
- Battery-powered pressure display (mains power supply required for heating and for transferring data to a PC)
- Battery: standard commercially available button cell; Lifespan: >2000h of continual operation
- Data transfer to PC/laptop via USB interface; transfer cable included in delivery
- Oil volumes 57ml (HLP22BP/olive oil)
- Measurement interval 0.5 seconds
- Conforms with CE and RoHS
- DKD (Deutscher Kalibrierdienst / German Calibration Service) certification optional
- Environmental conditions: 0...50°C/5...95% relative humidity
- Dimensions (LxWxH): approx. 470 x 170 x 280 mm
- Weight: approx. 7.2 kg, with case approx. 13 kg

For further information please refer to our technical data or contact us.

We reserve the right to amend the technical specifications

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