

Short description of PPS1210L heatable pressure calibrator

The PPS1210L 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.



Fig. 1: PPS1210L pressure calibrator



Fig. 2: Aluminium transport case with pressure



Fig 3: Illustration of the measuring system

The pressure sensor being tested in this configuration must have an external power supply, and the output signal must be recorded with an external measuring device. (Cf. example measurement configuration in fig. 3).

The measured output signal (Volt, mV or mA) can then be evaluated against the control value for this pressure by means of the pressure value displayed on the calibrator.

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 to heat the pressure port)
- Battery: standard commercially available button cell; Lifespan: >2000h of continual operation
- Optional data transfer of generated pressure to PC or laptop via an external converter possible
- 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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MARIANNE MAYER, Flurstraße 27, D-74861 NEUDENAU
Leiterplattenentflechtung - Elektronische Schaltungen
TEL.: +49(0)6298-1065 FAX: +49(0)6298-4900 EMAIL: Mobil: +49(0)15118458008
Email: info@hans-mayer.com Internet: mmayer-elektronik.com