

Temperature Calibrator (Thermocouples) PJ 6551 - PJ 6552



Thermometers-calibrators allow to simulate temperatures thanks to thermocouples, and to measure thermocouples for calibration of measurement instruments or temperature regulation lines.

Their robust construction enables them to support shocks and harsh environments.

- Temperature simulation and measurement (thermocouples)
- Pressure sensor
- Power supply of 24V loop
- Transmitter Test : Simultaneous thermocouple emission and current measurement

Applications.....

These calibrators are specially designed for on site verification and calibration of probes, indicators, recorders and regulators. PJ6552 has a dual function Measurement/Emission makes easier transmitter tests.

They are useful for on site maintenance services: maintenance department, designing, new works, thermic, electric, after sale, heating and cooling activities.

Description.....

Ergonomic and easy of use, it has many functions:

- Temperature measurement and simulation by thermocouples
- Pressure measurement
- Direct current measurement
- Switch test
- Power supply of 24 V loop

Functions

PJ 6551 – PJ 6552.....

- Temperature measurement and simulation

Type	Range	Accuracy *
K	-270 to 1370 °C	0.6 °C
J	-210 to 1200 °C	0.5 °C
T	-270 to 400 °C	0.3 °C
B	50 to 1820 °C	1.0 °C
R	-50 to 1769 °C	1.0 °C
S	-50 to 1769 °C	1.4 °C
E	-270 to 1000 °C	0.4 °C
N	-270 to 1300 °C	0.6 °C
L	-200 to 900 °C	0.3 °C
U	-200 to 600 °C	0.3 °C
C	0 to 2320 °C	1.0 °C
D	0 to 2495 °C	1.0 °C
mV	-10 to 100mV	

- Cold junction error: 0,2°C max for 30°C change in ambient

- Pressure measurement : With external pressure sensor (option). Measurement modules available from 25 mbar up to 700 bar.

PJ 6552.....

- Current measurement

Range	Accuracy *
0 to 55 mA	0.02% of reading + 3 units

- Power supply of 24 V loop : +/- 10% (35 mA maximum).
- Switch test : Opening / Closing, with a 2mA current.
- Hart resistance : (250 Ω) Enables the use of Hart protocol.

* Accuracy is given for 1 year.

Additional functions

Hold function.....

Hold measurement value on display.

Statistical Function.....

Mean, max, min values displaying.



Signals emission.....

In emission it is possible to generate ramp, square or step signals.

Alarms.....

Possibility to program 2 thresholds up and down, triggering an alarm.

Lighting.....

Timed lighting of display.

Automatic turn off.....

Turn off in case of non-use.

IDOS output.....

Possibility to connect pressure sensor or PC

General characteristics

Display.....

Backlighted Graphical LCD display
48 x 48 mm, with resolution: 99999.

Operating conditions.....

Use temperature:
-10 ... 50 °C.
Humidity: 10 to 90%.
Tight: IP54.

Alimentation.....

3 x AA alkaline battery, autonomy: > 70 hours in measurement,
> 10 hours in 24V supply.
In option: NiMh battery with external charger.

Connection.....

By banana 4 mm connectors.

Presentation.....

Dimensions: 180 x 85 x 50 mm.
Weight: about 500g.

Options - Accessories

- Kit NiMh battery / external charger.
- Soft carrying case for unit and accessories.
- Belt Clip, hanging loop.
- Pressure sensor.
- Thermocouples sensor : Refer to catalogue of product range.

Metrological linking up

AOIP has metrological service enable by COFRAC calibration section under n° 2-1524 for Electricity-Magnetism and n° 2-1525 for Temperature. AOIP is able to

assure instrument traceability to COFRAC national calibration chain.

So PJ 6551/6552 are linked up to national and international

standards. They can be delivered with a verification certificate testifying of this traceability or with a calibration certificate including a number of points to choose.

COFRAC is equivalent to DKD in German, UKAS in UK or A2LA in USA.

Ordering instructions

Thermometer-calibrator for thermocouples PJ 6551
Thermometer-calibrator for thermocouples and transmitter PJ 6552

Options.....

- Pressure sensor ACL290-03
- Kit : Belt clip, hanging loop ACL290-02
- Soft Carrying case ACL290-01



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