

Pocket process signals calibrators JN 6531 – JN 6532



JN 6531 and JN 6532 calibrators can simulate process signals, delivered by transmitters and sensors, by generating voltage and current.

JN 6532 model can also measure process signals.

- Emission and measurement of process signals
- Transmitter test
- 50 measures memory
- Robust

Applications

These calibrators are specially intended for the checking and calibration on site of probes, indicators, recorders and

regulators.. They are useful for the maintenance services on site: maintenance service, calibration, new works, thermics, electrics,

after-sale, in the majority of the industrial sectors which provide process equipments.

Functions

Emission (JN6531 and JN 6532).....

Range	Accuracy	Load resistance
0.00 to + 12.00 V	0.1% Reading + 0.01 V	> 1000 Ω
0.00 to + 24.00 mA	0.1% Reading + 0.02 mA	> 500 Ω

Signals variation to be emitted continuously (0.1 V and 0.1 mA resolution), or by 25 % FS steps. V, mA and % scale (0 % = 4 mA, 100 % = 20 mA).

Temperature coefficient :
< 10% accuracy / °C

Measure (JN 6532).....

Range	Resolution	Accuracy (1)
- 5 to + 30 V	0.01 V	0.2 % + 0.02 V
-5 to + 30 mA	0.01 mA	0.2 % + 0.02 mA

Temperature coefficient :
< 10% accuracy / °C

Input resistance in voltage measurement : 1M Ω .

Fall of voltage in current measurement : < 0.5 V

Accuracy for 1 year at 23 \pm 1°C : \pm (% of reading + n units)
V, mA and % scale (0 % = 4 mA, 100 % = 20 mA).

Additional functions

For both models.....

- Sound alarm in case of incorrect operation
- Automatic Stop in case of non-use.

For JN6532.....

- Hold function (Hold measurement value)
- Memory : 50 values
- Passive transmitter test : JN6532 permit to measure circuit current of 2 wires transmitter by supplying the loop by 15 V voltage.

It is possible to simulate a 2 wires transmitter supplied by an external voltage between 10 and 24 V located in the measure loop or in the receptor.

MEASURE AND CALIBRATION

General characteristics

Display.....

3000 measurement points, Back-lighted LCD,
High : 12.7 mm

Display indicate (function of the model) :

- Programmed thermocouple type, and the presence or not of the internal reference junction.
- Units (°C or °F)
- Alarm state
- Measure memorisation

- Mode (hold, max, min, avg).

Operating conditions.....

Nominal range of use : 0 to + 50°C, Relative Humidity : 20 to 80%.

Power supply.....

9V battery (69LR61 or 6LF22), autonomy higher than 100h.
Option : Battery with external charger. Autonomy higher than 20h.

Connection by 2 points compensated miniature connector for PN6502 (TC), by 3 points compensated miniature connector for PN6512 (RTD).

Connexion.....

By 4 mm security banana connector

Presentation.....

Dimensions : 182 x 75 x 43 mm
Weight : 250 g

Accessories

- Kit 9V Battery / Charger , including 2 accumulators and a charger for intensive use
- Soft carrying case for instrument and accessories
- Compensated connectors for K, T, J or S couple connection
- Non compensated for Pt 100 probe
- Sensors : See the specific sensor document

Ordering instructions

Voltage – Current Calibrator JN 6531

Voltage – Current Measurer – Calibrator JN 6532

Accessories.....

Battery / Charger Kit AC 6907

Soft carrying case AC 6908



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