

AOIP CALYS 50 Multifunctionele veldkalibrator

Product information

CALYS 50 is a basic multifunction calibrator within CALYS range. It is the perfect tool for advanced process maintenance and use on test bench in all industries. Suitable for all field and lab measurements, it can simultaneously measure and generate over two isolated channels various signals of temperature, resistance, process and frequency in one single instrument.

It provides extended functionalities (temperature simulation, scaling, steps, synthesizer, statistical functions...), easily accessible through quick menus by function.

The instrument simultaneously measures and simulates:

Temperature: Up to 0,014% RDG

Resistance: Up to 0,012% RDG, 4 K Ω range

Current: Up to 0,0175% RDG, 50 mA range + 24 V loop supply

Voltage: Up to 0,013% RDG, 50 V IN / 20 V OUT range

Frequency: Up to 0,005% RDG, 20 KHz range (10 KHz in simulation)

Technical information

RTD sensors	Pt50, Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni1000, Cu10 or Cu50
Thermocouples	K, T, J, E, R, S, U, B, L, C and N
DC current	0-50mA
DC voltage	100mV-50V
Frequency	20kHz
Resistance	400Ohm, resolution 1 mOhm 400Ohm, resolution 10 mOhm
DC current emission	0-24mA
DC voltage emission	100mV-20V
Frequency emission	1000Hz-10kHz
Resistance emission	40-4000Ohm
Connection	Connect your probes by simply pushing on the terminal top and insert wires of up to 3 mm or 10 AWG diameter and compensated thermocouple connectors. Wires are held tight between two brass plates ensuring thermal stability and a very good cold junction compensation for thermocouples. This system also enables 4 mm banana plugs and security connectors to be connected on the terminal top.

Mechanical information

Size	210 x 110 x 50 mm
Weight	900 g
Display	240 x 320 pixel liquid crystal graphical display with backlite and contrast control Display of result as table of values or trend curve

