

Multifunction Calibrators

CALYS 20



Calibrate, adjust and test

temperature, current, voltage, resistance and pressure

CALYS 10



On site and in laboratories

probes, transmitters,
converters, panel meters,
controllers,
data recorders ...



ACCREDITATION
N° 2.1524
ELECTRICITY-
MAGNETISM



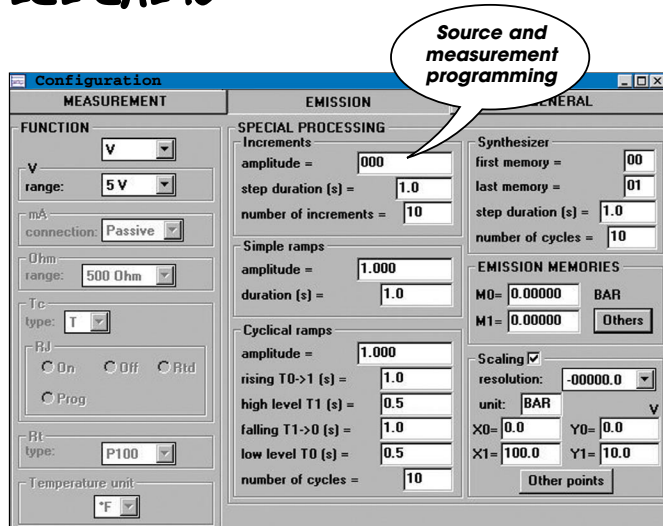
ACCREDITATION
N° 2.1525
TEMPERATURE

TRACEABLE TO
NIST

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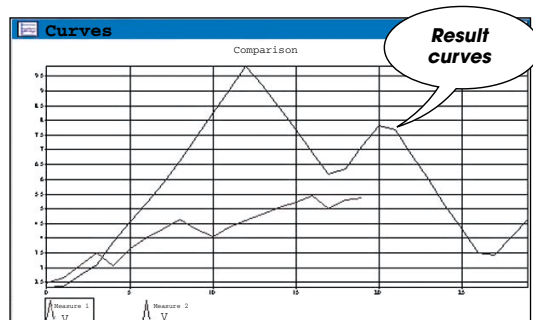
Calibrate, adjust and test: Calys 10 and

Programming and data management software LCL CAL 10



- ✓ Operation settings
- ✓ Data management
- ✓ Automatic transmitter test programming
- ✓ Calibration and test report edition

Automatic events data storage



- ✓ Up to 1000 data memorised
- ✓ Automatic and manual data storage
- ✓ Direct reading on display or via PC downloads
- ✓ Data display as curve, list and bargraph with statistical treatments and computations

Easy to use

In instrumentation laboratory and workshop

CALYS 20: Benchtop instrument, very stable thanks to its multiposition handle, can be also integrated in test benches. It supports all the calibration and verification operations of sensors, probes, controllers, panel meters and testing tools. With a high accuracy it is the perfect instrument for adjustments and daily controls.

On-site

CALYS 10: With a quick-charge built-in battery, 10 hours working capability, it is protected against shocks with its elastomer housing. Lightweight, this multifunction calibrator is the "multimeter of the process" for instrumentation people. It is designed for probes, transmitters, panel meters, data recorders ...on-site testing.

Functions and performances

Simultaneous measurement and source

Function	Measurement	
Voltage	Up to 60 V	0.02 % R
Current ⁽¹⁾	Up to 60 mA	0.02 % R
Resistance ⁽²⁾	Up to 6 kΩ	0.02 % R
Thermocouples ⁽³⁾	For type K: resolution 0.1°C	0.03 % R
13 types		
RTDs	For Pt 100: resolution 0.01°C	0.03 % R
12 types		
Pressure	-1 to +1000 bar, accuracy 0.05 %	

(1) Active or passive transmitter: Loop power supply up to 24V and 50V. (2) Measurement in 4-wire mode. (3) CJC accuracy better than 0.4°C.

- 
- 4-wire measurement terminals**



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- ✓ Simultaneous source and measurement
- ✓ Automatic scaling
- ✓ Direct comparison of In and Out
- ✓ Dual display
- ✓ Transmitter status indication
- ✓ Calibration report edition

	Source	
dg	Up to 50 V	0.025 % Rdg
dg	Up to 50 mA	0.025 % Rdg
dg	Up to 5 kΩ	0.025 % Rdg
dg	For type K: resolution 0.1°C	0.03 % Rdg
dg	For Pt 100: resolution 0.02°C	0.03 % Rdg
0 % F.S.		

The screenshot displays the 'Transmitter 3' software interface. The 'UNIT TO CALIBRATE' section on the left contains a 'Transmitter test' button, which is circled in red. The 'MEASUREMENT PROC' section on the right shows various measurement parameters and a graph. A red arrow points from the 'Calibration report' label to the 'MEASUREMENT PROC' section.

Transmitter 3

UNIT TO CALIBRATE

Function: **Tc**

V Range: **5 V**

mA Connection: **Passive**

Ohm Range: **500 Ohm**

Tc Type: **K**

RJ ☐ On ☐ Off ☐ Prog

Rt Type: **P100**

Temperature Unit: **°C**

Transmitter test

Type: **SD4234**

Manufacturer: **My SARTL**

Output Mode: **Tx** ☐ **V** ☐ **mA** ☐ **Passive** ☐

Indicator: ☐

Scaling Factor: **50.0** = **4.0**

Input: **0.0** = **20.0**

Output: **20.0**

Calibration: ☒ **Re** **Ad** **Lo** **Hi** **Off**

Resolution: **-00000.0**

Unit: **°C**

X0 = **0.0** Y0 = **0.0**

X1 = **1.0** Y1 = **1.0**

Other Points

MEASUREMENT PROC

Setup Values

C0 = **50.00000**

C1 = **60.00000**

C2 = **80.00000**

C3 = **90.00000**

C4 = **100.00000**

Other Points

Sending Setpoint Va

☒ Automatic

☒ Up & Down

Max. Permissible Deviation

Relative = **0.4** **±M**

Absolute = **0.2** **U**

Calibration report

Device: **SD4234** Manufacturer: **My SARTL** Model: **SD4234** Version: **1.0** Date: **10/10/2023** Author: **My SARTL** Report: **Report**

Temp (°C)

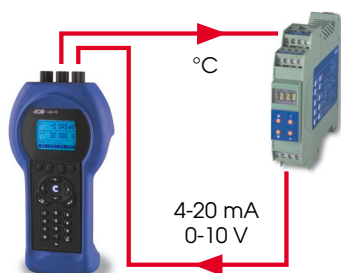
NO 1471553

Graph showing temperature (°C) vs. time (s) for NO 1471553. The graph displays a curve that rises from approximately 20°C to 100°C over 100 seconds, then drops sharply to 0°C.

Calibration report

Applications

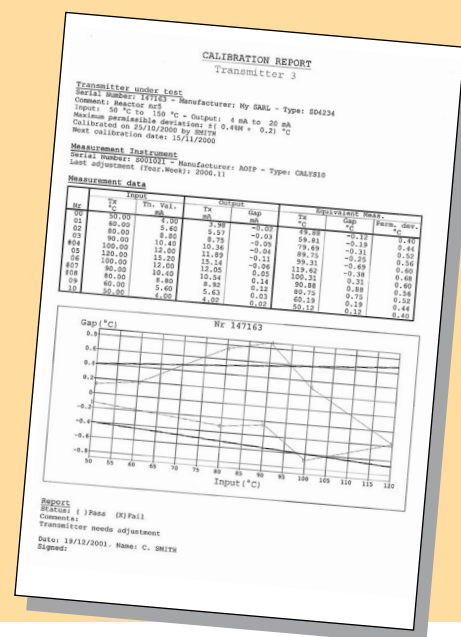
- ✓ Automatic test and calibration of transmitters



- ✓ Semi-automatic test and calibration of controllers, panel-meters ...



✓ Calibration
report edition



✓ Calibration of pressure transmitters



Requires a pressure module ACL 333 and an external pump.

- Measurement from -1 to 1000 bar
- Accuracy 0.05 % F.S.
- Automatic recognition of the module ACL 333

Distributed by

Main Characteristics

Power Supply

Calys 10: Removable NiMh battery, less than 3 hours quick charge, 10 hours working time.

Calys 20: 115/230V, 50/60 Hz.

Working conditions

-10 to 55°C, 10 to 80 % RH without condensing.

RS 232 communication port

Languages

French, German, English, Spanish, Italian, Dutch, Polish, Czech, Swedish.

Dimensions and weight

Calys 10: 260 x 144 x 60 mm ; 1.5 kg.

Calys 20: 225 x 88 x 310 mm ; 2 kg.

Ordering Instructions

The instruments are delivered in a carrying case with power leads, test leads with crocodile clips, and additionally for the Calvs 10, a "hand free" shoulder strap and a battery charger.

Portable multifunction calibrator
Benchtop multifunction calibrator
Data management software
Pressure module
COFRAC Calibration certificate
AOIP Calibration certificate
Test report

Calys 10
Calys 20
LCL CAL10
ACL 333
Contact us
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All the above characteristics can be subject to modifications.



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