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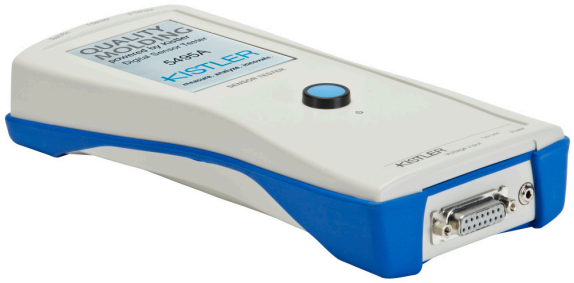
Sensor Tester

Type 5495A...

Sensor Tester Test Equipment for Controlling the Sensitivity of Cavity Pressure and Temperature Sensors

Battery-operated device to measure, insulation resistance, pressure and temperature of incorporated cavity pressure and temperature sensors.

- Simple remote examination of cavity pressure and Temperature sensors
- Direct digital display of the results of measurement on a PC
- Analysis possibilities of p and T-sensors as well as p/T Sensors mounted in equipment
- In pre-defined sets with complete accessories for in or multi-channel measurement available
- Both rechargeable and battery operation possible



Description

The sensor tester Type 5495A... can measure the sensitivity of cavity pressure sensors designed to measure directly or indirectly. It can also analyze operation and determine the quality of the insulation. The operation of temperature sensors that measure directly or indirectly can also be analyzed. The sensor tester is available as single device and as test set with complete accessories for single and multichannel measurement.

Technical Data

Measure (lxwxh)	mm	230x100x45
Weight (without batteries)	g	430
Announcement:		
Active resestive Touch surface	mm	53,26x70.08
Screen size	"	3,5
Resolution	Pixel	240x320
Colors		262.144
Connections:		
BNC socket for measuring channel for load measurement		
BNC socket for reference channel for load measurement		
Fischer plug series of 102 for thermocouple Type J, K, N		
D-Sub socket 15-pin for external thermocouple amplifier		
External power supply: 2,5 mm jack socket		
Current supply:		
Battery/accumulator		4 x AA cells (Mignon)
Externally		Power pack 5 VDC +/- 10%/1A
Capacity	W	1 ... 2,5
Actual working time (accumulator)	h	>8
Measuring range (automatic measuring range switcher):		
Permissible test load		
A)	N	30 ... 60
B)	N	60 ...120
Temperature		
A)	°C	0 ... 200
B)	°C	0 ... 400
Measuring errors:		
Load measurement	%	<5
Temperature measurement directly	°C	<1,0
Temp. measurement indirectly (Type 2205A...)	°C	<1,0

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Application
There is the possibility of the analysis of the following sensor types:
- Internal tool pressure
- Temperature

Internal tool pressure:
After connection of a internal tool pressure sensor to that test equipment knows a functional test (correct wiring, etc.) as well as an isolation measurement of the measuring chains accomplished become. Under influx of a printing test pin knows furthermore the feeling sensitivity of direct and indirect-measuring force sensors is correct to become.

Temperature:
If the sensor tester is connected with a temperature sensor so can a functional test of the measuring chains, alternatively with or without external amplifier, take place.

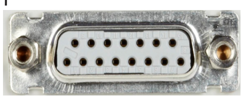
Connections:

- BNC socket for measuring channel for load measuremen

- BNC socket for reference channel for load measurement

- Fischer plug series of 102 for thermocouple Type J, K, N

- D-Sub socket 15-pin for external temperature control amplifier



- Current supply socket

Ordering Key

Type 5495A ☐

Sensor tester without case	**0**
Sensor tester including charging equipment including battery and charger	**1**
Sensor tester test set for 1 channel measurement including battery, battery charger, printing test pin with adapter and cable	**2**
Sensor tester test set for multichannel measurement like Type 5495A2, plus 4 - and 8-channel adapter cable as well as BNC extension cord	**3**

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