

Type 8951A

Signal Tester

- Display of the current temperature
- Continuity test for temperature cables
- Display of the current pressure value
- Display of the sensor sensitivity (PRIASED)
- Insulation test (high resistance)
- Sensitivity test of the installed pressure sensor



Description

The signal tester type 8951A is a universally and easy to use test equipment for pressure and temperature sensors. It checks the functionality of the sensors during assembly, installation and service work of the mold. The display has a menu selection where various test functions can be selected to check quickly and reliably if the pressure and temperature sensors are working accurately. Together with the test pin type 6901A the sensitivity of already mounted sensors can be tested. The Signal Tester is also available as a complete set type 8910A in a case inclusive test pin, short circuit adaptor and connecting cables.

Technical data

Pressure measurement

Measuring range	pC	-1200 ... 3000
Measuring error	%	+/- 1
Resolution	pC	4.5
Drift	pC/s	< 0.03
Connection without sensitivity detection		BNC
Connection with sensitivity detection		Fischer 2-pin (Serial 102)
Connection Test Pin type 6901A		Fischer 2-pin (Serial 102)



Sensor sensitivity (piezoelectric)					
Automatic sensitivity detection (PRIASED / PRIASAFE)					
Measuring range	pC/bar	1.76...2.22	Resolution	pC/bar	0.02 (1 %)
	pC/bar	4.40...5.55		pC/bar	0.05 (1 %)
	pC/bar	8.80...11.10		pC/bar	0.10 (1 %)
Units of sensitivity (without sensitivity detection)					
	pC/bar				
	pC/psi				
	pC/N (Input pin diameter [mm])				
Insulation measurement					
Maximum detectable insulation			Ohm		> 10 +13
Minimal detectable insulation			Ohm		10 +8
Short circuit			Ohm		< 10 +8
Minimal requested insulation			Ohm		> 10 +11
Measuring time			s		2...30

Temperature measurement					
Sensor types					N, J, K, L
Measuring range type N		°C			0...220
Measuring range type J, L		°C			0...120
Measuring range type K		°C			0...160
Measuring error		°C			2 (+/- 2 % fso)
Connection					LEMO 2-pin 2-pin pluggable screw clamp

Specifications					
Dimension		mm			200 x 85 x 32
Keypad					8 buttons
Display					2 x 16 characters illuminated
Weight (incl. batteries)		g			265
Batteries					3 x 1.5 V AA

Order code

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Accessories

Signal Tester Set (Type 8910A) includes:

Test Pin	Type	6901A
Short circuit plug for temperature (LEMO 2-pin)	Type	9013A
Short circuit plug for pressure (Fischer 2-pin)	Type	9014A
Connecting cable	Type	1051A2