

## BlueLine Signal Tester Type 8952A & Signal Tester Set Type 8911A

- Displays the current temperature value of the temperature sensor
- Displays the current pressure value of the pressure sensor
- Continuity test for the temperature cables
- Displays the automatic sensor sensitivity PRIASED®
- Insulation test of pressure sensor connecting cables
- Test of pressure and temperature sensor cables



### Description

The BlueLine signal tester type 8952A is a universally applicable and easy-to-operate test instrument for checking of pressure and temperature sensors.

The signal tester is used to check the functionality of the sensor system in various phases such as assembly, commissioning or service work on the mold. The appropriate test function can be called up directly via the display and is immediately ready for use.

The signal tester is available in two versions: As single unit or as complete set in a case with numerous accessories (Type 8911A). In addition to the signal tester type 8952A, the complete set contains a test pin, one short-circuit plug each for pressure and temperature sensors as well as numerous connection cables.



## Technical data

### Signal Tester

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

### Pressure Measurement

Properties	Value
Measuring range	-1200 ... 3000 pC
Resolution	4.5 pC
Measuring error	± 1%
Drift	< 0.03 pC/s
Connection without sensitivity detection	BNC
Connection with sensitivity detection	Fischer TRIAX (Serie 102)
Connection Test Pin type 6902B	Fischer TRIAX (Serie 102)
RoHS-compliant	Yes

### Sensor Sensitivity (piezoelectric)

Measuring range (pC/bar)	Resolution (pC/bar)
1.76 ... 2.22	0.02 (1%)
4.40 ... 5.55	0.05 (1%)
8.80 ... 11.10	0.10 (1%)

Units of sensitivity (without sensitivity detection):  
pC/bar, pC/psi, pC/N (Ø Input pin in mm)

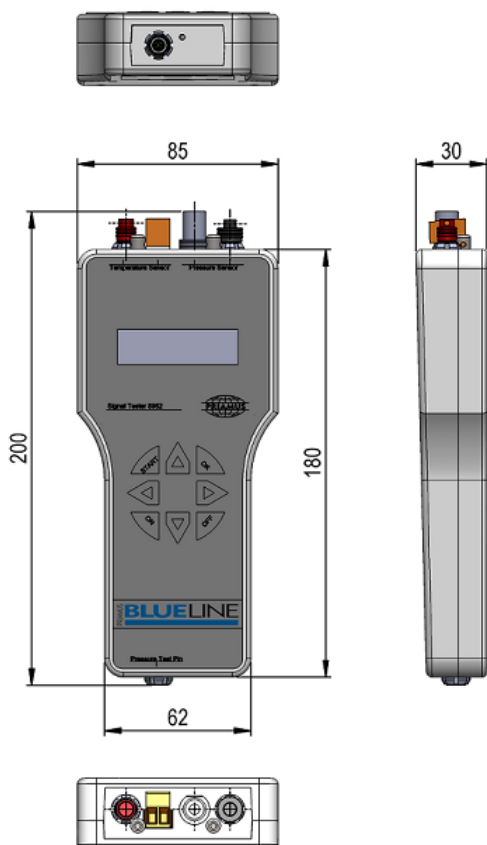
### Insulation Measurement

Properties	Value
Maximum detectable insulation	>10 +13 Ω
Minimal detectable insulation	10 +8 Ω
Short circuit	<10 +11 Ω
Minimal requested insulation	>10 +11 Ω
Measuring time	2 ... 30 s

## Temperature measurement

Properties	Value
Sensor types	N, J, K, L
Measuring range type N	0 ... 220 °C
Measuring range type Typ J, L	0 ... 120 °C
Measuring range type Typ K	0 ... 160 °C
Measuring error	2 °C (+/- 2 % FSO)
Connection	Fischer connector TRIAX (Serie 101) 2-pinsteckbare Schraubklemme

## Dimensions (in mm)



## Scope of Delivery

Included in the scope of delivery	Type 8952A	Type 8911A
BlueLine signal tester	Yes	Yes
3 pcs. AA batteries 1.5 V for BlueLine signal tester	Yes	Yes
Test pin Type 6902B	No	Yes
Short-circuit connector for cavity temperature signals type 9017A	No	Yes
Short-circuit connector for cavity pressure signals type 9018A	No	Yes
Connection cable for test pin type 1041A2	No	Yes
Koffer mit Schaumstoffeinlagen zur Aufbewahrung type 9022A	No	Yes

## Accessories

In the following only those accessories are listed which are directly related to the signal tester. The components included in the scope of delivery of the signal tester set can of course also be ordered as accessories. However, we will not list the components in the accessories again.

Type number	Article
1041Ax	BlueLine connection cable for cavity pressure sensors Single-pin, with plastic sheath Both sides: Fischer connector type S 102 pos. TRIAX
1043Bx	BlueLine extension cable for cavity pressure sensors With metal sheath Side 1: Fischer connector type S 102 pos. TRIAX Side 2: Fischer connector type KBE 102 neg. TRIAX
1045Bx	BlueLine connection cable for cavity pressure sensors Multi-pin, with plastic sheath Side 1: Fischer connector type S 104 neg., 16-pin (Code 1) Side 2: 4 x Fischer connector type S 102 pos. TRIAX
1047Ax	BlueLine connection cable for cavity pressure sensors Multi-pin, with plastic sheath Side 1: Fischer connector type S 104 neg., 16-pin (Code 1) Side 2: Fischer connector type S 102 pos. TRIAX
1049Bx	BlueLine connection cable for cavity pressure sensors Single-pin, with plastic sheath Both sides: Fischer connector type S 102 pos. TRIAX
1054Bx	BlueLine connection cable for cavity pressure sensors

Type number	Article
	Multi-pin, with plastic sheath Both sides: Fischer connector type S 104 neg., 16-pin (Code 1)
1141Ax	BlueLine connection cable for cavity temperature sensors Single-pin, with plastic sheath Both sides: Fischer connector type S 101 pos. TRIAX
1142Bx	BlueLine extension cable for cavity pressure sensors Single-pin, with metal sheath Side 1: Fischer connector type S 101 pos. TRIAX Side 2: Fischer connector type KBE 101 neg. TRIAX
1144Ax	BlueLine connection cable for cavity temperature sensors Multi-pin, with plastic sheath Both sides: Fischer connector type S 104 neg. 19-pin (Code 2)
1145Ax	BlueLine connection cable for cavity temperature sensors Multi-pin, with plastic sheath Side 1: Fischer connector type S 104 neg. 19-pin (Code 2) Side 2: Fischer connector type S 101 pos. TRIAX
1147Bx	BlueLine connection cable for cavity temperature sensor Multi-pin, with plastic sheath Side 1: Fischer connector type S 104 neg. 19-pin (Code 2) Side 2: 4 x Fischer connector type S 101 pos. TRIAX
1149Bx	BlueLine connection cable for cavity temperature sensors Single-pin, with metal sheath Both sides: Fischer connector type S 101 pos. TRIAX
1194A-8T	BlueLine multi-channel connecting box for temperature signals For connecting a maximum of 8 cavity temperature sensors
1195A-8p	BlueLine multi-channel connecting box for pressure signals For connecting a maximum of 8 cavity pressure sensors
5070A-2p2T- VARAN	BlueLine pressure and temperature amplifier VARAN Pressure: 2 x Single-channel connectors Fischer type 102 TRIAX / BNC Temperature: 2 x Single-channel connectors Fischer type 102 TRIAX
5080A-4p	BlueLine amplifier for cavity pressure signals with 4 channels 4 x single-channel connectors Fischer type 102 TRIAX
5080A-16p	BlueLine amplifier for cavity pressure signals with 16 channels 2 x multi-channel connectors Fischer type 104, 16-pin
5080A-4T	BlueLine amplifier for cavity temperature signals with 4 channels 4 x single-channel connectors Fischer type 101 TRIAX

Type number	Article
5080A-16T	BlueLine amplifier for cavity temperature signals with 16 channels 2 x multi-channel connector Fischer type 104, 19-pin
8280C	BlueLine Core Control unit for monitoring and controlling of the injection molding process
8980C	BlueLine I/O Master Basic module for transmitting control signals between the injection molding machine and the BlueLine system.
8981A	BlueLine I/O Expander Extension module for transmitting control signals between the injection molding machine and the BlueLine system.
8982A	BlueLine Bus Interface Coupling module between I/O modules for mounting on top hat rail bus, for transmitting control signals between the injection molding machine and the BlueLine system.
8983A	BlueLine Voltage input module For collecting voltage signals of the injection molding machine
8984A	BlueLine control cabinet Control cabinet with transparent front door for maximum 64 switching signals With 1 BlueLine I/O Master type 8980C and optionally 1–4 BlueLine I/O Expander type 8981A
8985A	BlueLine control cabinet Control cabinet with transparent front door for maximum 96 switching signals with 1 BlueLine I/O Master type 8980C and optionally 1–6 BlueLine I/O Expander type 8981A
9015A	BlueLine inductive switch for easy starting and measuring
9016A	BlueLine power supply unit for: - BlueLine amplifiers types 5080A - BlueLine Core type 8280C
9080A	BlueLine top hat rail bus For mounting of several interconnected BlueLine devices such as I/O Master or I/O Expander