

Pressure Pulse Generator

Type 6909A

High pressure function testing

Pressure generator for function testing of pressure sensors. Optimal for testing sensors in high speed dynamic environments up to 5 000 bar.

- High speed pulse generation
- Peak pressure 25 .. 5 000 bar
- Adaptive mounting with Type 6931A

Description

The pressure pulse is generated by a falling weight acting upon a specifically designed tappet. The pressure chamber is filled with calibration fluid and designed for identical pressure transients acting on the unit under test and the working standard. For simple use, a separate weight for the lower pressures (25 to 500 bar) and higher pressures (up to 5 000 bar) is provided.

Application

Type 6909A pressure pulse generator is optimal for function testing pressure sensors that are used in high speed dynamics and generally all fields of application with highly dynamic signals. For sensors that are subject to high loads and frequent overload conditions this tool enables application specific testing to ensure proper measurements without the need for elaborate calibrations.

Mounting

Multiple adapters of the Type 6931A are available to accommodate the unit under test. The sensor to be tested may then be mounted according to its datasheet.



Technical data

Range	bar	25 ... 5 000
Recommended calibration fluid		Kistler Type 1053
Space for operation (h x l x w)	m	1,1 x 1,1 x 0,25
Number of units under test		1
Weight	kg	22

Ordering key

		Type 6909A <input type="checkbox"/>
Inkl. Adapter Type 6931A1	01	↑
Inkl. Adapter Type 6931A2	02	
Inkl. Adapter Type 6931A3	03	
Inkl. Adapter Type 6931A4	04	
Inkl. Adapter Type 6931A5	05	
Inkl. Adapter Type 6931A6	06	
Inkl. Adapter Type 6931A7	07	
Inkl. Adapter Type 6931A8	08	
Inkl. Adapter Type 6931A9	09	

Optional accessories

	Type/Mat. No.
Adapter M12x1/M10x1 shoulder seal	6931A1/18006807
Adapter M12x1/M10x1 front seal	6931A2/18006808
Adapter M12x1/M12x1	6931A3/18006809
Adapter M14x1.25/M14x1.25	6931A4/18006810
Adapter M14x1.25/M10x1	6931A5/18006811
Adapter M10x1/M10x1	6931A6/18006812
Adapter M7x0.75 (4pc.)	6931A7/18033741
Adapter M12x1/M10x1	6931A8/18036713
Adapter M12x1/3/8-24UNF	6931A9/18036714

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