

SERIES 25 HT



TRANSMITTERS FOR BIO-REACTORS ABSOLUTE- AND GAUGE PRESSURE

This piezoresistive pressure transmitter fits 19 mm (3/4") manifold pressure ports for applications in bio-reactors or autoclaves. The transmitter is compensated up to 150 °C and may be operated continuously or sterilised at this level, including the special circuit electronics.

The transmitter circuit is based on the "PROGRES" programmable KELLER amplifier. In the 25HT-PRO version, the programming leads are taken to the 7-pin connector, thus allowing to reprogram the transmitter at any time, altering the zero and the range by a factor of 5, using the hand held PP-96 Progres Programmer. The cable outlet version does not provide these control lines and cannot be reprogrammed.

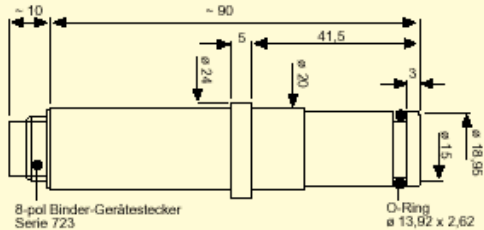
The transmitters are normally supplied in absolute versions. Gauge versions are available upon request.

SPECIFICATIONS

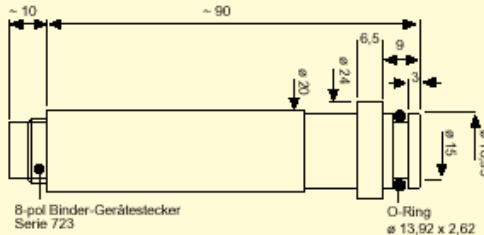
Version Absolute / Gauge Overpressure	Pressure Ranges (FS)					
	0,5	1	2	5	10	20
	2	3	4	8	15	30
Typ	2-Wire		3-Wire		3-Wire	
Excitation (U)	8...28 VDC		8...28 VDC		13...28 VDC	
Signal Output	4...20 mA		0...20 mA		0...10 V	
Load Resistor (Ω)	≤(U-8V)/0,02A		≤(U-5V)/0,02A		>2kΩ	
Linearity	0,2% FS typ.		0,5% FS max.			
Stability	0,1% FS typ.		0,2% FS max.			
Operating Temperature	20...150°C					
- Temp. Coeff. of Zero	0,015% FS/°C					
- Temp. Coeff. of Sensitivity	0,015%/°C					
Electrical Connection	Binder Plug Series 723; 8-pole					
Material in Contact with Medium	Stainless Steel AISI 316, Viton- or Silicone O-Ring					
Protection	IP65					
Options	- Cable with reference tube for gauge version - Platinum diaphragm, Hastelloy housing - Programmable Version (25HT-PRO)					



Plan 8931



Plan 8931 A



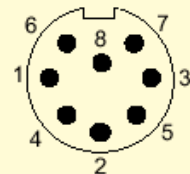
ELECTRICAL CONNECTIONS

	4...20 mA	0...20 mA	0...10 V
+ IN	4	4	4
+ OUT		6	6
GND	8	8	8

PROGRAMMABLE OPTIONS

	2	2	2
VPROG	2	2	2
DATA	3	3	3
WRITE	5	5	5
CLOCK	7	7	7

PIN CONFIGURATION, PLUG



Subject to alteration