

## TRANSMITTERS FOR BIO-REACTORS

### ABSOLUTE- AND GAUGE PRESSURE

## SERIES 25 HT

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.

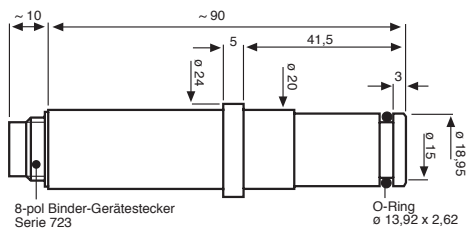
### SPECIFICATIONS

Version Absolute / Gauge Overpressure	Pressure Ranges (FS)					
	0,5	1	2	5	10	20
	bar					
	2	3	4	8	15	30
	bar					
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 ( $\Omega$ )	$\leq(U-8V)/0,02A$	$\leq(U-5V)/0,02A$	$>2k\Omega$			
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					

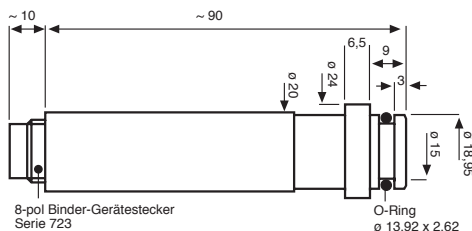
- Options
- Cable with reference tube for gauge version
  - Platinum diaphragm, Hastelloy housing
  - Programmable Version (25HT-PRO)



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

