

Industrial Pressure Transmitters

Type HP-1

WIKA HP-1 pressure transmitters and transducers are precision engineered for extremely high pressure applications, including water jet cutting, high pressure hydraulic presses, fuel injection test stands, and food sterilization. The HP-1 incorporates several safety features for use with high pressure. Eliminating welds in the process connection greatly improves sensor durability. In the event of sensor failure, the special small diameter arc eroded pressure port limits the flow of media into the transmitter case. The NOVA SWISS process connection also includes special pressure relief ports in the case that direct the media back towards the process connection.



Type	HP-1
Datasheet	HP-1
Pressure Conn.	determined by pressure range
Power Supply	11-28 VDC
Signal Output	4-20 mA 2-wire
Elec. Conn.	DIN 43 650 with plug connection
0-40,000 psi	
0-60,000 psi	
0-75,000 psi	
0-85,000 psi	
0-100,000 psi	
0-120,000 psi	

Items shown with part numbers are available from stock (subject to prior sale). Items without part numbers are available on special order.

Output Order Options

Output Signals

0-20 mA 3-wire

0-5V 3-wire

0-10V 3-wire

Other

Process connections¹

M16 x 1.5 female with sealing cone

9/16-18 UNF female F250-C

M14 x 1.5 LH male

1/4-28 UNF LH male M250-C

3/8-24 UNF LH male

Other

Electrical Conn. Options

5 foot cable (NEMA 4 / IP 67)

6 pin MIL plug PT02E-10-6P

M12 x 1 4-pin locking plug

Non-standard pressure range

¹see data sheet APE HP-1 for the maximum pressure ratings for each process connection

Datasheet: [HP-1](#)