



WE SENSE , YOU MEASURE



HOT H 0004 F L C K	
Model Name (German Serise)	Type of Pressure Measurement
Output	K: Gauge
F: 3 Wire 0 ~ 5 V H: 2 Wire 4 ~ 20 MA HC: 2 Wire 4 ~ 20 MA Compound J: 3 Wire 0 ~ 10 V JC: 3 Wire 0 ~ 10 V Compound	Connecting Methods
C: DIN EN 175301 - 803 Connector	Pressure port
Pressure Range	Pressure Unit
XXXX : Pressure	L: PT 1/4" W: R (PT) 3/4"(Flush Diaphragm)
0~10 Bar 0~100 Bar 0~16 Bar 0~160 Bar 0~2.5 Bar 0~25 Bar 0~250 Bar 0~4 Bar 0~40 Bar 0~400 Bar 0~600 Mbar 0~6Bar 0~600 Bar -1~1Bar 1~4 Bar And more	F: BAR P: PSI R: KPA M: MBAR

Applications

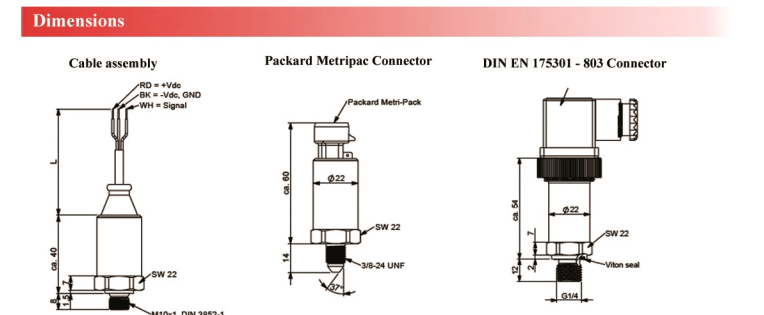
- ▶ Plastics Manufacturing
- ▶ Blow Molding
- ▶ Extrusion
- ▶ Injection Molding
- ▶ Forming
- ▶ Fabrication
- ▶ Plastics Machinery
- ▶ Earth Moving Equipment
- ▶ Underground Boring
- ▶ Fluid Pressure
- ▶ Pumping
- ▶ Water Tanks
- ▶ Liquid Tank Storage Systems
- ▶ Liquid Filtration
- ▶ Steam Boilers
- ▶ Valves
- ▶ Tank or Silo Monitoring
- ▶ Pump Controls
- ▶ Automotive Industry
- ▶ Steel Industry
- ▶ Process Controls
- ▶ Material Handling Equipment
- ▶ Conveyors
- ▶ Sorters
- ▶ Motion Bases
- ▶ Predictive Maintenance
- ▶ Water Purification

Specifications :

Performance		
Accuracy @ RT	% of the range < 0.5 BFSL ≤ 0.125	(incl. nonlinearity, hysteresis, repeatability, zero-offset and final offset acc. to IEC 61298-2)
Non-linearity	% of the range ≤ 0.15	
Repeatability	% of the range ≤ 0.10	
Stability/year	% of the range ≤ 0.10	
For pressure ranges above 2000 bar:		
Accuracy @ RT	% of the range < 1.0 BFSL ≤ 0.5	(incl. nonlinearity, hysteresis, repeatability, zero-offset and final offset acc. to IEC 61298-2)
Non-linearity	% of the range ≤ 0.30	
Repeatability	% of the range ≤ 0.20	
Stability/year	% of the range ≤ 0.20	
Response time	(10..90%) t(ms) < 1	
Overrange pressure	up to 2x rated pressure	
Burst pressure	up to 5x rated pressure	
Pressure cycles	> 10 million	

Part Number	Range
HOTJ0010FLCK	0~10 Bar 0~10V
HOTH0010FLCK	0~10 Bar 4~20Ma
HOTH0100FLCK	0~100 Bar 4~20Ma
HOTJ0016FLCK	0~16 Bar 0~10V
HOTH0016FLCK	0~16 Bar 4~20Ma
HOTH0160FLCK	0~160 Bar 4~20Ma
HOTH002.5FLCK	0~2.5 Bar 4~20Ma
HOTF0010FLCK	0~10 Bar 0~5V
HOTF0016FLCK	0~16 Bar 0~5V
HOTJ0250FLCK	0~250 Bar 0~10V
HOTH0250FLCK	0~250 Bar 4~20Ma
HOTH0004FLCK	0~4 Bar 4~20Ma
HOTJ0040FLCK	0~40 Bar 0~10V
HOTH0040FLCK	0~40 Bar 4~20Ma
HOTH0400FLCK	0~400 Bar 4~20Ma
HOTH0600MLCK	0~600 Mbar 4~20Ma
HOTH0006FLCK	0~6 Bar 4~20Ma
HOTH0600FLCK	0~600 Bar 4~20Ma
HOTH0001FLCK	-1~1 Bar 4~20Ma
HOTH0004FLCK	-1~4 Bar 4~20Ma

Environment	
Temperature [°C]:	
Measuring medium	-40...125
Ambience	-40...105
Storage	-40...125
Compensated range	-20...85
Temperature coefficient within the compensated range:	
Mean TC offset	% of the range ≤ 0,15 / 10K
Mean TC range	% of the range ≤ 0,15 / 10K
Shock	1000 G, 11 msec., 1/2 Sine
Vibration	25 G peak, 20 to 2000 Hz
Sealing	IP 66, optional IP69K
Electronics	
Excitation	5 VDC for 0.5 – 4.5 V output, 10 - 32 VDC for 0 - 5 V, 1 - 5 V, 4...20 mA output 12 - 32 VDC for 0 – 10V output
Output impedance	< 100 Ω
Current consumption	< 10 mA
Reverse voltage protection	Yes
Mechanics	
Housing incl. wetted parts	304 stainless steel
Pressure port	see select table
Electrical connection	see select table
Weight	ca. 60g



Type	Output	PIN 1	PIN 2	PIN 3	PIN 4
DIN EN 175301-8 03-A and C	0.5 - 4.5 V, 1 - 5 V, 0 - 10 V	+ Supply	- Supply	Output +	-
	4 .. 20 mA	+ Supply	Current Output -	N / A	-
Round connector M12x1 A	0.5 - 4.5 V, 1 - 5 V, 0 - 10 V	+ Supply	N / A	- Supply	Output +
	4 .. 20 mA	+ Supply	N / A	Current Output -	N / A
Packard Metripac	0.5 - 4.5 V, 1 - 5 V, 0 - 10 V	- Supply	+ Supply	Output +	-
	4 .. 20 mA	Current Output -	+ Supply	N / A	-
Cable assembly	0.5 - 4.5 V, 1 - 5 V, 0 - 10 V	Red	Black	White	Green
	4 .. 20 mA	+ Supply	- Supply	Output +	-

Features :

- ▶ CE Certified
- ▶ VDC , mA Out put
- ▶ Measuring range 0 ~ 4000 bar
- ▶ 0.5 % BFSL accuracy
- ▶ Gauge and absolute Measurement
- ▶ Piezoresistive silicon cell
- ▶ Stainless steel (304 S) media - wetted materials

Industries Service:

- ▶ Plastic industry
- ▶ Agricultural & Farming
- ▶ Sewage Water & Slurry
- ▶ Liquid Level Systems
- ▶ Manufacturing
- ▶ Machining
- ▶ Beverage Processing
- ▶ Mobile hydraulics
- ▶ Construction

