



MAIN FEATURES

- Pressure ranges of 1500 bar, 2000 bar e 2500 bar for dynamic applications
- Accuracy 0.25%
- Fluid filled system for temperature stability
- Filling fluid: 35 mm³ of mercury
- Small 6mm diameter contact diaphragm and M10x1.0 mm thread for mounting into small diameter nozzle applications
- Contact diaphragm made from 17-7PH stainless steel and coated with Titanium Aluminum Nitride
- Small electronics housing and flex diameter for easy installation into space restricted areas
- Reliable metal film strain gages bonded to a 15-5PH stainless steel sensing element
- Remote electronics .
- Available output are 0-10V and CAN Open output (DP404)
- Patent Pending Design

TECHNICAL SPECIFICATIONS FOR SENSOR

Measurement range	1500, 2000, 2500Bar
Accuracy	± 0,25% FSO
Repeatability	± 0,1% FSO
Full Scale Output (FSO)	1,4mV/V
Maximum overpressure	3000Bar or 2 x Full Range (wichever is less) Max. overpressure 3500Bar for 20sec.
Contact Diaphragm Diam	6mm
Thread size	M10x1
Contact Diaphr. Material	Titanium Aluminium Nitride Coated 17-7 PH Stainless Steel
Flex length (max.)	250mm
Measurement principle	Wheatstone strain gauge
Response time	Approx. 1,4 msec. for 250mm. flex version
Maximum temperature of Diaphragm	400°C
Zero drift due to change in process temperature	0,03Bar/°C
Maximum temperature on sensor electronics housing	120°C
Compensated range for sensor	20°C to 100°C
Zero Thermal drift in compensated range	≤ 0,02% FSO/°C
Span Thermal drift in compensated range	≤ 0,02% FSO/°C
Mounting torque	56Nm (max)
Connector	5 pole female

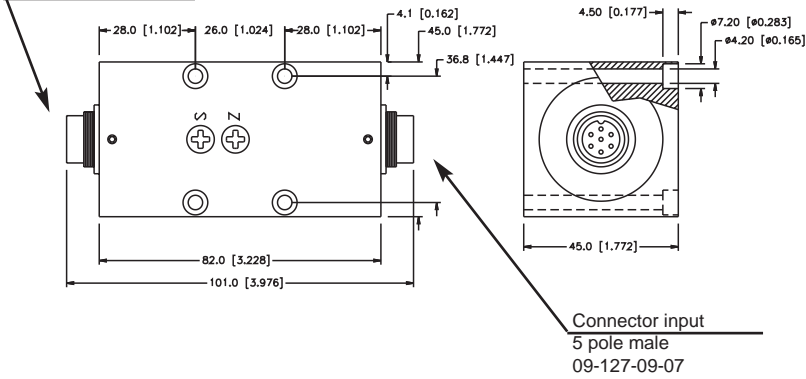
TECHNICAL SPECIFICATIONS FOR REMOTE ELECTRONICS

Output signal	0...10V (opt. N) CANOpen DP404 (opt. D)
Input signal	1,4mV/V
Response time	500µsec. (opt. N) 4msec (opt. D)
Maximum amplifier temperature range	70°C
Power supply digital output (opt. D)	12...40Vdc
Power supply analog output (opt. N)	15...30Vdc
Connection from output (opt. N)	7-pole male connector
Connection from output (opt. D)	5-pole male connector

ELECTRICAL CONNECTIONS

NJ-N 0-10V OUTPUT

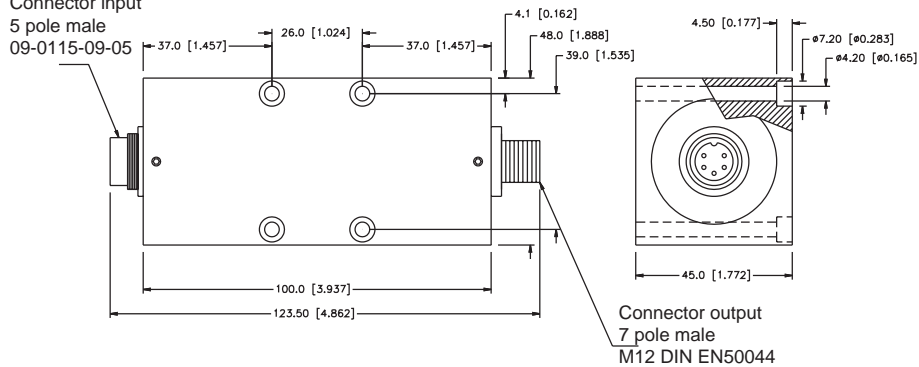
Connector output
7 pole male
09-0115-09-05



Pin Con.	Colour code	Connection
1	Black	SIGNAL -
2	Blue	CALIBRATION -
3	Orange	CALIBRATION +
4	White	SUPPLY +
5	Green	SUPPLY -
6	Red	SIGNAL +
7	N.C.	N.C.

NJ-D CANOPEN DP404 OUTPUT

Connector input
5 pole male
09-0115-09-05



Pin Con.	Colour code.	Connection
1	Brown	N.C.
2	White	SUPPLY +
3	Blue	SUPPLY -
4	Black	CAN H
5	Gray	CAN L

ACCESSORIES

Connectors

7-pin female connector (IP40)

CON320

7-pin female connector 90° (IP40)

CON322

5-pin M12 female connector (IP65)

CON031

Extension cords for 0...10V output

7-pin connector with cord length 3 meters

PCAV151

7-pin connector with cord length 5 meters

PCAV152

7-pin connector with cord length 8 meters

PCAV153

Extension cords for CANopen output

5-pin M12 connector with cord length 2 meters

CAV011

5-pin M12 connector with cord length 5 meters

CAV012

5-pin M12 connector with cord length 10 meters

CAV013

Other lengths

on request

Accessories

Mounting bracket

PKIT172

Mounting terminal

PKIT176

Closure stem

SC 10

Cleaning kit

CT 10

Drill kit

KF 10

ORDER CODE

PRESSURE TRANSDUCERS

MJ [] [] [] [] [] NJ [] []

CONFIGURATION	
Flex	1

ACCURACY CLASS	
0,25%	H
0,50%	M

PRESSURE RANGE	
1500 bar	B15C
2000 bar	B02M
2500 bar	B25C
25000 psi	P25M
30000 psi	P30M
35000 psi	P35M

FLEX LENGTH	
150 mm	1
250 mm	2

THREAD	
1/2 - 20UNF	1
M10x1	2

ELECTRONIC REMOTE

N	0-10V
D	CAN OPEN

NJ	MELT INJECTION ELECTRONICS
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Example:

MJ-1-H-B25C-2-NJ-N

Melt injection sensor with 0-2500 bar full scale capability, 0,25% accuracy class, flex length of 250 mm and 0-10V output.

GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice.

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