



Technical data sheets

OEM Pressure Transducer

Hex 22 with voltage and current output signal up to 500 bar



Technical data

0604 / 0607 / 0608

Typ	0604	0607	0608
Output signal	0,5 - 4,5 V ratiometric	0 - 10 V	4 - 20 mA
Supply voltage U_B	5 VDC $\pm$ 10 % max. 6,5 VDC	8 - 30 VDC	8 - 30 VDC
Load current resistance R_L	$\geq 4,7 \text{ k}\Omega$		$\leq (U_V - 8 \text{ V}) / 20 \text{ mA}$

Pressure ranges in bar

Standard pressure ranges p_{nom}	0 - 40	0 - 50	0 - 60	0 - 80	0 - 100	0 - 200	0 - 250	0 - 400	0 - 500
Overpressure protection $p_U^{1)}$	150	150	200	250	300	500	600	800	1000
Burst pressure $p^{1)}$	300	300	400	500	800	1500	2200	2500	3000

Pressure ranges in psi

Standard pressure ranges p_{nom}	0 - 600	0 - 750	0 - 900	0 - 1,200	0 - 1,500	0 - 2,900	0 - 3,700	0 - 5,800	0 - 7,300
Overpressure protection $p_U^{1)}$	2,200	2,200	2,900	3,700	4,400	7,300	8,700	11,600	14,500
Burst pressure $p^{1)}$	4,400	4,400	5,800	7,300	11,600	21,800	32,000	36,400	43,500

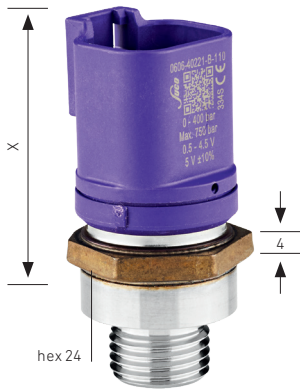
Mechanical life expectancy		> 5,000,000 pulsations at rise rates to 5,000 bar/s at p _{nom}
Permitted pressure change rate		5,000 bar/s
Accuracy		± 0.5 % full scale (FS) at room temperature, ± 0.25 % BFSL
Long-term stability		± 0.1 % full scale (FS) per year
Repeatability ¹⁾		± 0.1 % full scale (FS)
Temperature error ²⁾		± 0.015 % full scale (FS) / °C
Compensated temperature range		-20 °C ... +80 °C (-4 °F ... 176 °F)
Temperature range ambient		-40 °C ... +125 °C (-40 °F ... 248 °F)
Temperature range media		40 °C ... +125 °C (-40 °F ... 248 °F)
Wetted parts material	Housing	Stainless steel 1.4301 / AISI 304L
	Measuring cell	Stainless steel 1.4542 / AISI 630 / 17-4PH®
Response time 10 - 90%		2 ms
Insulation resistance		>100 MΩm (20 VDC between case and all terminals tied)
Dielectric strength		500 VAC (1 minute between case and all terminals tied)
Vibration resistance		20 ... 2,500 Hz (15 ... 45 g) acc. to IEC 60068-2-6
Shock resistance		500 m²/s half sine (11 ms) acc. to IEC 60068-2-27
Protection class		IPxx according manufacturer's specification (see next page), only when plugged in, otherwise IP00
Electromagnetic compatibility		EMC 2014/30/EU, EN 61000-6-2, EN 61000-6-3
Recommended lenght of connection cable		30 m
Protection against reverse polarity and short-circuit		Built-in
Weight		approx. 40 - 45 g

¹⁾ Static pressure, dynamic pressure 30 to 50 % lower. These specifications refer to the hydraulic or pneumatic part of the pressure transmitter / pressure transducer

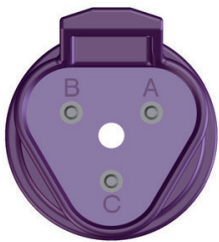
²⁾ Within the compensated temperature range.



Electrical connectors and threads* 0604 / 0607 / 0608

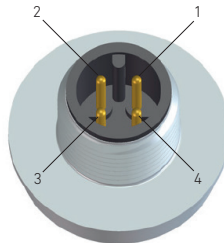


Deutsch DT04 - 3P



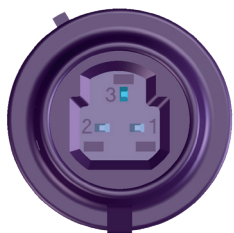
Pin	0604 / 0607	0608
A	U_{V+}	U_{V-}
B	GND	NC
C	U_{Out}	I_{Out}
IP67, IP6K9K		
x ~ 39 mm		
Connection code: 010		

M12 DIN EN 61076 - 2-101 A



Pin	0604 / 0607	0608
1	U_{V+}	U_{V-}
2	U_{Out}	NC
3	GND	I_{Out}
4	NC	NC
IP67		
x ~ 54 mm		
Connection code: 002		

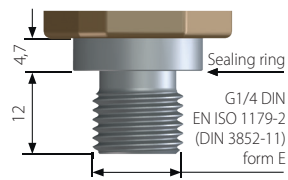
Packard MetriPack 150



Pin	0604 / 0607	0608
1/A	GND	I_{Out}
2/B	U_{V+}	U_{V-}
3/C	U_{Out}	NC
IP67		
x ~ 44 mm		
Connection code: 009		

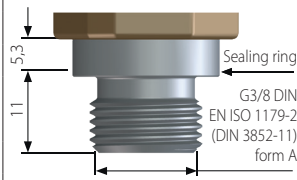


G 1/4 (1179-2 / DIN 3852-E)



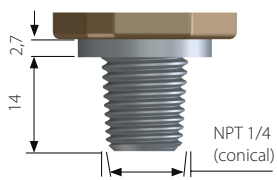
Thread code: 41

G 3/8 (ISO 1179-2 / DIN 3852-A)



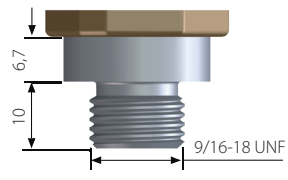
Thread code: 66

NPT 1/4



Thread code: 09

9/16-18 UNF



Thread code: 21

* Dimensions are non-binding – individual definition when preparing the offer



Order Matrix

0604 / 0607 / 0608

	Type	Pressure range	Pressure connection	Pressure unit	Electrical connection
0,5 - 4,5 V ratiometric	0604				
0 - 10 V, 3-wire	0607				
4 - 20 mA, 2-wire	0608				

Pressure range in bar Pressure range in psi

0 - 40	401	0 - 600	602	401 / 602
0 - 50	501	0 - 750	752	401 / 752
0 - 60	601	0 - 900	902	601 / 902
0 - 80	801	0 - 1,200	123	801 / 123
0 - 100	102	0 - 1,500	153	102 / 153
0 - 200	202	0 - 2,900	293	202 / 293
0 - 250	252	0 - 3,700	373	252 / 373
0 - 400	402	0 - 5,800	583	402 / 602
0 - 500	502	0 - 7,300	733	502 / 733

Pressure connection

NPT 1/4	09
9/16-18 UNF	21
G1/4 - DIN EN ISO 1179-2 (DIN 3852-11), form E	41
G3/8 - DIN EN ISO 1179-2 (DIN 3852-11), form A	66

Pressure unit

bar	B
psi	P

Electrical connection

Packard MetriPack150	009
Deutsch DT04-3P	010
M 12	002

Article number	060X	-	XXX	-	XX	-	X	-	XXX
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