

KD41 CANbus Pressure Transducer

Features

- Optional Controller Area Network (CAN) communication protocols available:
 - CANopen® 2.0A
 - CANopen® 2.0B
 - CAN SAE® J1939
- Ranges 5 to 20,000 psi
- Media temperature range -40 °C to 125 °C
- Compact and robust stainless steel design
- Wide selection of process and electrical connections available

Typical Uses

- Hydraulics
- Pneumatics
- Plant engineering and automation
- Automotive
- Environmental engineering
- HVAC
- Agricultural



KD41
Pressure Transducer

CANopen®

SAE® J1939 

Specifications

Accuracy @ RT:	±0.50% of span, ±0.25% (OPT.) Including nonlinearity, hysteresis, repeatability, zero-offset and final-offset (according to IEC 61298-2)
Stability:	0.10% of span per year
Total Error:	2.0% of span -40 °F to 221 °F (-40 °C to 105 °C) Optional higher accuracy available (consult factory)
Environmental:	Vibration: 20 g (Per DIN EN 60068-2-6 - Sinusoidal) Shock: 50 g (Per DIN EN 60068-2-27 - Resistance)

Electrical Specifications

Supply voltage:	9...32 Vdc
Supply Current:	< 30 mA
CAN Interface:	DIN ISO 11898 CAN 2.0A or CAN 2.0B (OPT.)
CAN Protocol:	CANopen® or SAE® J1939
Response Time (10...90%):	< 1 ms
Withstand Voltage:	350 Vdc
Approvals:	CE - conformity, EC directive 89/336/EWG

Physical Specifications

Housing:	Stainless steel
----------	-----------------

Environmental Specifications

Ingress Rating:	IP67 (IP69K option)
-----------------	---------------------

Min./Max. Temperature Limits

Ambient	-40 °F to 221 °F (-40 °C to 105 °C)
Media	-40 °F to 257 °F (-40 °C to 125 °C)
Storage	-40 °F to 257 °F (-40 °C to 125 °C)
Compensated	-40 °F to 221 °F (-40 °C to 105 °C)

Wetted Components

304 SS/17-4 PH® or all 316L SS (Range dependent)
--

KD41 CANbus Pressure Transducer

Ordering Code	Example:	KD41	5	MEK	CJ	EW	7500#	G	-#XXXX
Function									
KD41 - KD41 Pressure Transducer with CANbus protocols		KD41							
Accuracy									
5 - ±0.5% of span			5						
3 - ±0.25% of span (optional)									
Pressure Connection									
M02 - ¼ NPT - Male									
MEK - 7/16-20 SAE® #4 - Male w/Buna N O-ring				MEK					
MEV - 9/16-18 SAE® #6 - Male w/Buna-N O-ring									
MGA - G ¼ A, Form E - Male									
Output Signal									
CN - CANopen®									
CJ - SAE® J1939					CJ				
Electrical Connections									
M12 - Mates to Hirschmann® 933 172-100 or similar									
EW - No Mating Connector						EW			
E0 - with Mating Connector, No cable									
E2 - with mating connector, 3 feet of shielded cable									
E1 - with mating connector with customer specified cable length									
Pigtail - Shielded Cable									
F2 - with 3 feet of cable									
F3 - with 10 feet of cable									
P1 - Customer specified cable length									
Pressure ranges (see tange table on page 3 for more ranges)									
7500# - 7,500 psi							7500#		
Measurement Type									
G - Gauge								G	
Variation (required)									
#XXXX - Customer specified parameters									#XXXX

Contact Us

1.800.328.8258
 ashcroft.com

All specifications are subject to change without notice. All sales subject to standard terms and conditions. Ashcroft® and Trust the Shield® are trademarks of Ashcroft Inc. The following non-Ashcroft trademarks are the property of their respective owners: 17-4 PH®, CANopen®, Hirschmann® and SAE®. For more information, see [Ashcroft Brands & Trademarks](#)
 ©2025 Ashcroft Inc. kd41_transducer_ds_RevC_11-17-25

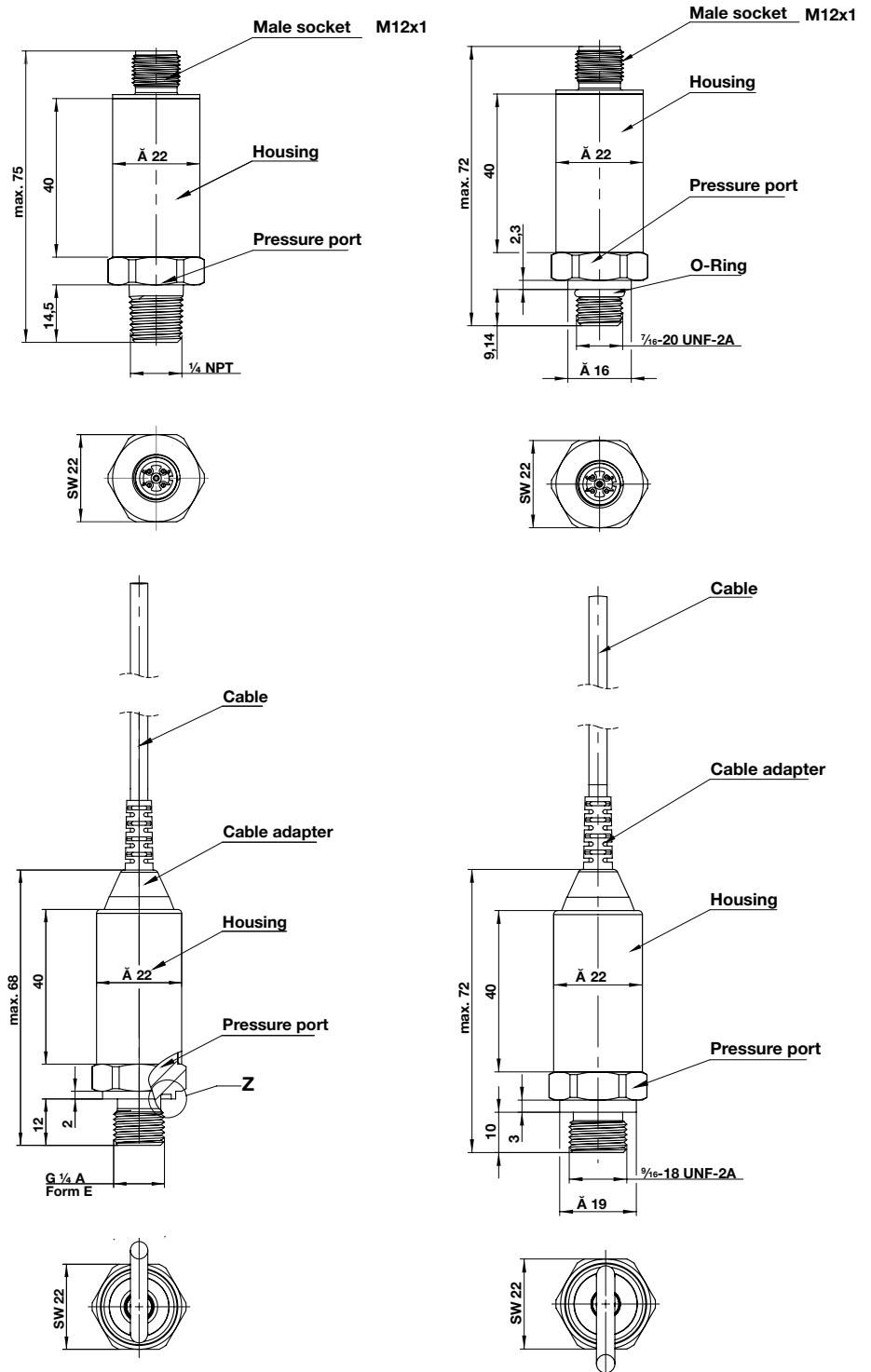
KD41 CANbus Pressure Transducer

KD41 RANGE TABLE

Code	Range
5#	5 psi
15#	15 psi
30#	30 psi
60#	60 psi
100#	100 psi
150#	150 psi
200#	200 psi
300#	300 psi
500#	500 psi
750#	750 psi
1000#	1000 psi
1500#	1500 psi
2000#	2000 psi
3000#	3000 psi
5000#	5000 psi
6000#	6000 psi
7500#	7500 psi
10000#	10,000 psi
15000#	15,000 psi
20000#	20,000 psi
0#&VAC	0/-14.7 psi
30#&VAC	30/-14.7 psi
60#&VAC	60/-14.7 psi
100#&VAC	100/-14.7 psi
150#&VAC	150/-14.7 psi
200#&VAC	200/-14.7 psi
300#&VAC	300/-14.7 psi

Dimensions in mm

For reference only, consult Ashcroft for specific dimensional drawings



Contact Us

1.800.328.8258

ashcroft.com

All specifications are subject to change without notice. All sales subject to standard terms and conditions. Ashcroft® and Trust the Shield® are trademarks of Ashcroft Inc. The following non-Ashcroft trademarks are the property of their respective owners: 17-4 PH®, CANopen®, Hirschmann® and SAE®. For more information, see [Ashcroft Brands & Trademarks](#)
 ©2025 Ashcroft Inc. kd41_transducer_ds_RevC_11-17-25