

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







	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:	932 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 (1090%):	< 1 ms			
Withstand Voltage:	350 Vdc			
Approvals:	CE/UKCA - conformity, EC directive 89/336/EWG			
PHYSICAL SPECIFICATIONS				
Housing:	Stainless steel			

ENVIRONMENTAL SPECIFICATIONS

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IP67 (IP69K option)

Ingress Rating:

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)

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Data Sheet



KD41 CANbus Pressure Transducer

ORDERING CODE Example:	KD41	5	MEK	CJ	EW	7500#	G	-#XX
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 - 1/4 NPT - Male								
MEK - 1/16-20 SAE® #4 - Male w/Buna N O-ring			MEK					
MEV - 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								#XX

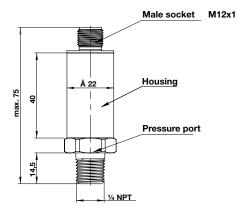


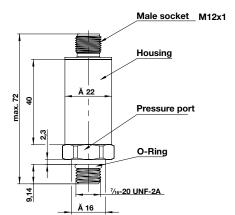
KD41 CANbus Pressure Transducer

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					
300#&VAC	300/-14.7 psi					

DIMENSIONS in mm

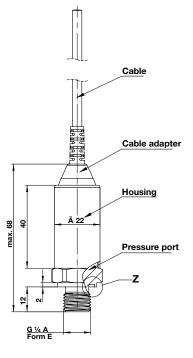
For reference only, consult Ashcroft for specific dimensional drawings

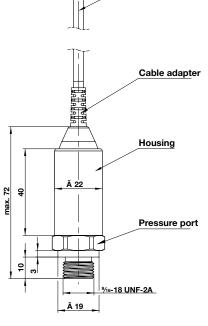












Cable



