ASHCROFT®
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KD41 CANbus Pressure Transducer

FEATURES

- Optional Communication protocols:
  - 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/PH17-4 or all 316L SS (Range dependent)

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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

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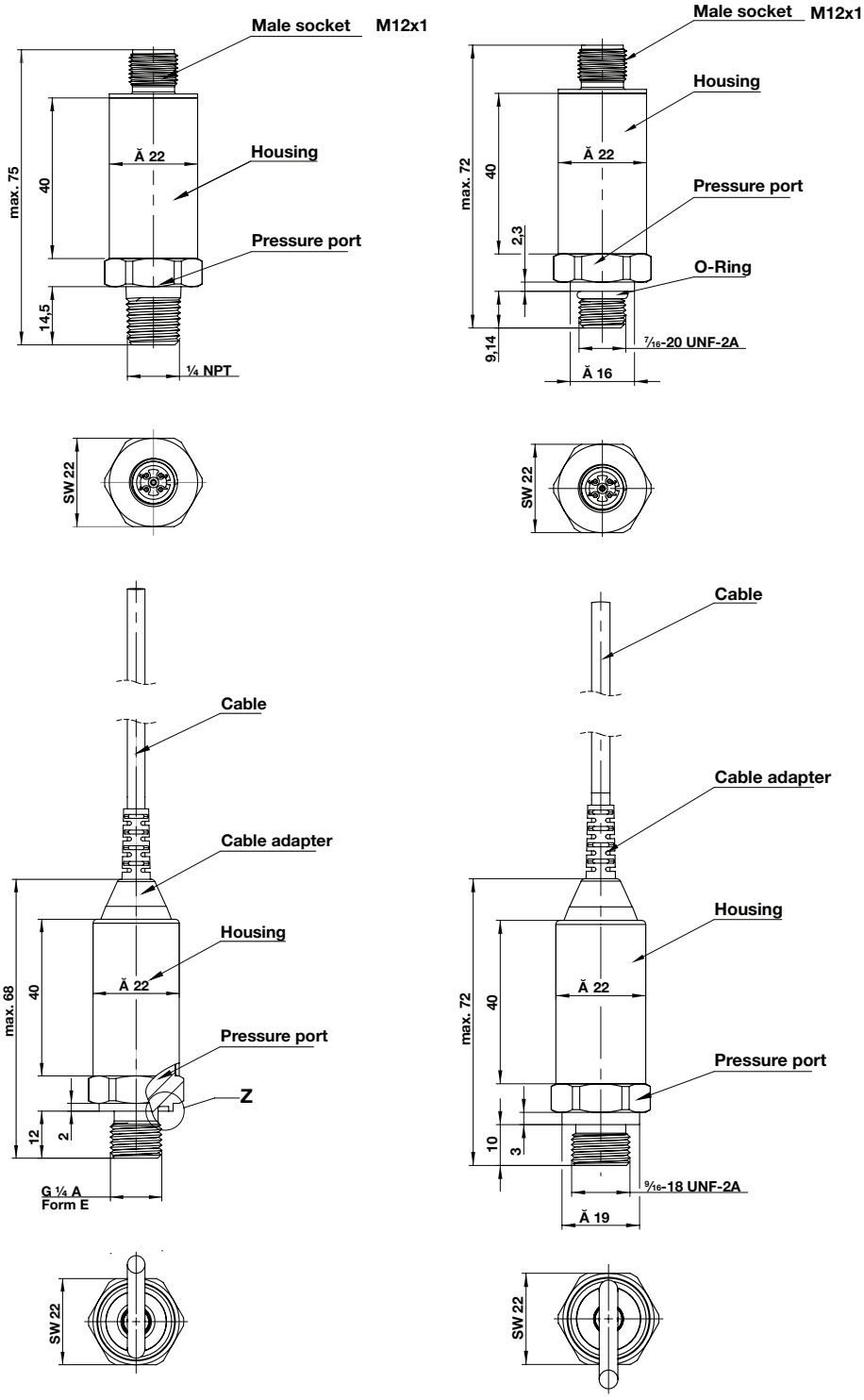
KD41 RANGE TABLE	
Code	**Range**
5#	5 psi
15#	15 psi
30#	30 psi
60#	60 psi
100#	100 psi
150#	150 psi
200#	200 psi
300#	300 psi
500#	500 psi
750#	750 psi
1000#	1000 psi
1500#	1500 psi
2000#	2000 psi
3000#	3000 psi
5000#	5000 psi
6000#	6000 psi
7500#	7500 psi
10000#	10000 psi
15000#	15000 psi
20000#	20000 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



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