



**MICRO SWITCH**  
 FREEPORT ILLINOIS U.S.A.  
 A DIVISION OF HONEYWELL  
 FED. MFG. CODE 9192P

**PRESSURE  
 TRANSDUCER**

CATALOG LISTING  
**242PC150 SERIES**  
**CHART 1**

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CATALOG LISTING	INPUT PORT SEAL MATERIAL	INPUT MEDIA COMPATIBILITY
242PC150G	BUNA-N	OILS, FUELS, LUBRICANTS
ⓑ	ETHYLENE PROPYLENE	STEAM, SOAPS, POLAR SOLVENTS

GENERAL OPERATING CHARACTERISTICS	
PRESSURE RANGE	0 TO 150 PSIG (0 TO 1034 KPa)
PROOF PRESSURE	300 PSI MAX (2068 KPa MAX)
BURST PRESSURE	800 PSI TYP (5516 KPa TYP)
TEMPERATURE RANGES	
STORAGE	-40° TO +85°C
OPERATE	-40° TO +85°C
COMPENSATED	-18° TO +63°C
SUPPLY VOLTAGE	7.0 TO 16.0 VDC
SUPPLY CURRENT	20 mA MAX WITH 10K LOAD
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT VOLTAGE	PROPORTIONAL TO SUPPLY VOLTAGE
GROUND REFERENCE	SUPPLY AND OUTPUT ARE COMMON

ELECTRICAL PERFORMANCE AT 25°C AND 8.00 ± 0.01 VDC SUPPLY	
NULL (0 PSIG)	1.00 ± 0.05 VDC
FULL SCALE (150 PSIG)	6.00 ± .200 VDC
SENSITIVITY	33.3 mV/PSI TYP
LINEARITY (% F.S.O.) / Δ (BFSL)	± 0.5% MAX
HYSTERESIS & REPEATABILITY (% F.S.O.) / Δ	± 0.25% TYP
TEMPERATURE ERROR (% F.S.O.) / Δ	
-18° < 25° > 63°C	± 1.5% MAX
-40° < 25° > 85°C	± 3.0% TYP
RESPONSE TIME	1 m SEC MAX

- NOTES
- 1 - HOUSING IS BLACK ANODIZED ALUMINIUM
  - Δ - F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
  - Δ - CONTACT MICRO SWITCH FOR MORE DETAILED INFORMATION CONCERNING MEDIA COMPATABILITY
  - Δ - MEASURE AT POINT SHOWN
  - Δ - MEASURE AT POINTS SHOWN

METRIC	INCH	THIRD ANGLE PROJECTION
2.5	.10	
30.0	1.18	
11.0	.43	
15.0	.59	
40.0	1.57	
46.0	1.81	
56.0	2.20	
58.0	2.28	
300.0	11.81	
DESIGN UNITS		
WEIGHT 85G (3 OZ) MAX		

CATALOG LISTING 242PC150 SERIES CHART 1  
 ISSUE 4  
 REVISIONS:  
 A 200505 8 JUN 00  
 B 201605 23 OCT 00  
 C 334333 28 AUG 07  
 KDR 10 JUN 94  
 DRANK

RELEASE NO. CO. 78460 REF. 242PC150 CHART 1  
 ECR0025788  
 CMG  
 8/24/2007  
 23 JUN 04  
 23 JUN 04  
 23 JUN 04