

PRESSURE TRANSDUCERS




KAR-TECH

PRESSURE TRANSDUCERS



Features

- High value and outstanding performance
- No internal elastomeric seals
- Amplified outputs
- Reverse polarity protection
- Less than 500 microseconds response time
- Designed to meet IP65 standards*
* With mating harness
- Exceeds CE Heavy Industrial EMC
- Excellent OEM value
- Eliminates O-Ring compatibility issues
- Eliminates cost of external amplifiers
- Accurate high speed measurements
- Protected from harsh environments

Physical

Range	0-5000 PSI
Proof Pressure	7500 PSI
Burst Pressure	30K PSI
Material in Contact with Media	300 series SS, braze compound
Weight	2.0 oz (57 gm)

Environmental

Shock	50 g's peak (5 ms), 100 g's peak (11 ms)
Vibration	Meets MIL-STD 810-C

Electrical

Zero Output	4 mA
Full Scale Output	20 mA
Excitation (Supply voltage)	9.5-35 Vdc

Performance

Response Time	< 500 microseconds
EMI/RFI	Exceeds CE heavy industrial (30v/m radiated 150kHz-1GHz)
Accuracy	±0.25% F.S.O. best fit straight line. Includes: non-linearity, hysteresis, non-repeatability. Thermal errors not included. 0.5% < 100 PSI
Total Error Band	±2% Typical (±3% Max.) F.S.O. Includes: zero offset error, span error, thermal effect on zero and thermal effect on span, non-linearity, hysteresis, non-repeatability
Operating and Storage Temperature	-40° to 125°C (-40° to 257°F)

