

Industrial Pressure Transducers

80HP Series



83HP – All Purpose Stainless Steel

- High accuracy over temperature
- Variety of voltage outputs (0.5-4.5, 0-10, 1-5 Vdc)

84HP – All Purpose Stainless Steel

- Premium accuracy over temperature
- Variety of voltage outputs (0.5-4.5, 0-10, 1-5 Vdc)

85HP – All Purpose Stainless Steel

- High accuracy over temperature
- 4-20mA output

86HP – All Purpose Stainless Steel

- Premium accuracy over temperature
- 4-20mA output

Features & Benefits

Low total error band.....	High accuracy over wide operating conditions
Wide operating temperature range (-40°C to +125°C).....	Wide range of applications
Compact Package.....	Increased mounting options
Hermetic front end.....	Protection against leakage
EMI protected to 300 V/m.....	High reliability in noisy environments
All purpose stainless steel package.....	Enhanced package performance
ASIC digital calibration.....	Minimizes drift over life
Random vibration of 20-35g up to 1kHz.....	High accuracy and reliability in adverse environment

Applications

- Compressors & Pumps
- Hydraulics & Pneumatics
- Agriculture & Construction Equipment
- Transportation & Off Road Vehicles
- Electronic Controls & Monitors
- HVAC/Refrigeration
- Alternative Energy Management
- Load Management
- Process Control & Automation

Electrical Specifications

Supply Voltage.....	4.5 - 5.5 Vdc	10 - 30 Vdc
Supply Current.....	8 - 13 mA	
Output Voltage.....	0.5 - 4.5 Vdc	0 - 10 Vdc
Output Current.....	4 - 20 mA	
Output Load.....	4K ohms min.	
Response Time.....	1 ms max	

Important Notice: Texas Instruments (TI) reserves the right to make changes to or discontinue any product or service identified in this publication without notice. TI advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current. TI assumes no responsibility for infringement of patents or rights of others based on TI applications assistance or product specifications since TI does not possess full access concerning the use or application of customers' products. TI also assumes no responsibility for customers' product designs.