Honeywell

Precision Pressure Transducer
PPT

Honeywell's precision pressure transducer (PPT) offers extraordinary value with high accuracy over a wide temperature range. The PPT combines proven silicon sensor technology with microprocessor-based signal conditioning to provide an extremely smart pressure transducer. Available in a compact, rugged design, the PPT has many software features that support a wide range of applications.

APPLICATIONS:

- Secondary Air Data
- Altimeters
- Engine Testing
- Flight Testing
- Meteorology
- Flow and Pressure Calibrators
- Instrumentation and Analytical Equipment
- Process Control
- Research and Development

±0.05% Accuracy from -40 to 85ºC

Many Software Features

Digital and Analog

CE Qualified

ISO-9001
ISO-14001

FEATURES AND BENEFITS

- **High Accuracy**
  ±0.05% FS typical accuracy from -40 to 85°C
- **Smart, Digital Sensing and Control**
- **Versatile and Configurable**
- **User Selectable Software Features**

- **Simplifies System Design** - No additional signal compensation needed to gain the benefits of a very accurate sensor.
- **Efficient Data Acquisition** - Connect up to 89 units on a multidrop bus using built-in RS-485 capability.
  Easy Interface - Directly connects to PC via communication ports.
  Closes the Loop - Smart PPT makes control decisions.
- **Works with existing and new systems.** - All units have 0-5V analog and either RS-232 or RS-485 digital outputs.
  Handles most dry gas media.
  Optimizes Output - User-configurable pressure units, sampling, update rate.
  Flags Problems - Internal diagnostics set flags, provide alarms.
- Baud Rate, Parity Setting, Continuous Broadcast, ASCII or Binary Output, Sensor Temperature Output (°C or °F), Deadband, Sensitivity, Tare Value, Configurable Analog Output

SPECIFICATIONS

Performance Specifications (1)

Accuracy: (from -40 to 85ºC)
Digital: ±0.05% FS Typ., ±0.10% FS Max.(2)
Analog: ±0.06% FS Typ., ±0.12% FS Max.(2)
Temperature: ±1ºC (at sensing element)
Temperature Range:
Operating -40 to 85ºC (-40 to 185ºF)
Storage: -55 to 90ºC (-67 to 194ºF)
Sample Rate(5)**:** 8.33ms to 51.2 min
Resolution:
Digital: Up to 0.0011% FS
Analog: 1.22mV steps (12 bits)
Response Delay:
(1000/update rate) +1ms, minimum 17ms
Long Term Stability(7)**:** 0.025%FS max per year

Mechanical Specifications

Pressure Ranges and Type:
See Ordering Information
Pressure Units(5)**:** atm, bar, cmwc, ftwc, hPa, inHg, inwc, kg/cm², KPa, mBar, mmHg, MPa, mwc, psi, user, Icom, pfs
Static Pressure (Differential Only) :
≤ 150psi: no effect on accuracy of PPT
> 150psi: out of spec, returns spec ≤ 150psi
Media Compatibility: Suitable for non-condensing, non-corrosive, and non-combustible gases.
PPTR available for other gases and fluids.
Weight: 5 oz. (142 gm) without fittings

Electrical Specifications

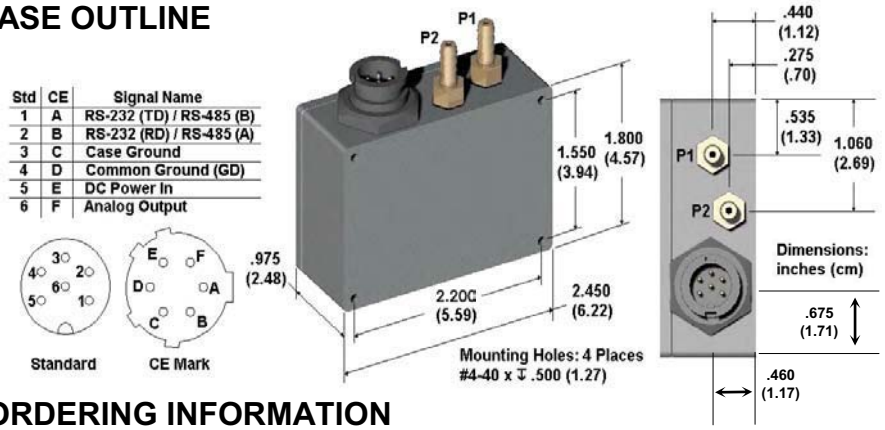
Output:
RS-232 Digital w/0-5V Analog(5)
RS-485 Digital w/0-5V Analog(5)
Power Requirements:
Supply Voltage: 5.5 to 30 VDC
Operating Current: Standard: 17-30mA; CE: 13-25mA
Baud Rate(5)**:** 1200, 2400, 4800, 9600, 14400, 19200, 28800
Bus Addressing(5)**:** Address up to 89 units

Environmental Features(3)

Overpressure: 3x FS, maximum 600psi
Burst Pressure: 3x FS, maximum 700psi
Mechanical Shock: 1500G, 0.5ms half sine
Temp Shock: 24 1-hour cycles, -40 to 85ºC
Vibration: 0.5in or 20G's, 20Hz – 2K Hz

(1) Accuracy is the sum of worst case linearity, repeatability, hysteresis, thermal effects and calibration errors from -40 to 85ºC. Typical is the average of absolute value of errors at all pressures and temperatures. Full scale for differential ranges is the sum of + and – ranges. Pressure range 1psi gauge has digital accuracy of ±0.10% FS typical, ±0.20% FS maximum; analog accuracy of ±0.12% FS typical, ±0.24% FS maximum. Calibration is traceable to NIST. (2)Tighter accuracy available on some models. Consult factory. (3) Exposure to overpressure will not permanently affect calibration or accuracy of unit. Burst pressure is the sum of the measured pressure plus the static pressure and exceeding it may result in media escape. Mechanical Shock tested per MIL-STD-883D, M2002.3, Cond. B. Vibration tested per MIL-STD-883D, M2007.2, Cond. A. (4) CE Mark per IEC 61326. See http://www.yorkinstrument.com for information on test levels and results. Connector MIL-C-26482, Shell Size #10, 6-pin #20 size. (5) User configurable. (6) Demonstration kit includes unit, power supply/data cable (120V), demonstration software, and user manual. (7) When continuously powered at 25±10°C, <90%RH and 28 to 32 inHg atmospheric pressure.

CASE OUTLINE



ORDERING INFORMATION

PPT Precision Pressure Transducer

FULL SCALE PRESSURE RANGE

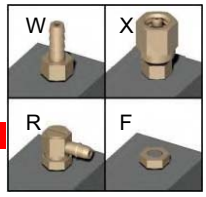
	Absolute	Gauge	Differential
0001	n/a	1 PSI (1)	±1 PSI
0002	n/a	2 PSI	±2 PSI
0005	n/a	5 PSI	±5 PSI
0010	n/a	10 PSI	±10 PSI
0015	15 PSI	n/a	n/a
0020	20 PSI	20 PSI	±20 PSI
0050	50 PSI	50 PSI	±50 PSI
0100	100 PSI	100 PSI	±100 PSI
0300	300 PSI	300 PSI	±300 PSI
0500	500 PSI	500 PSI	±500 PSI

TYPE

		P1 Pressure	P2 Pressure
A	Absolute	0(vacuum) to FS	N/A
G	Gauge	Reference to FS	Reference
D	Differential	+FS to –FS rel. to P2	+FS to –FS rel. to P1

P1 PRESSURE CONNECTION

Absolute, Gauge, Differential
W Brass barbed (1/8 inch ID tubing)
X Brass Swagelok™ (1/8 inch female)
R Brass barbed, right angle (1/8 inch ID tubing)
F Filter (blocks debris)



P2 PRESSURE CONNECTION

Gauge, Differential
W Brass barbed (1/8 inch ID tubing)
X Brass Swagelok™ (1/8 inch female)
R Brass barbed, right angle (1/8 inch ID tubing)
F Filter (blocks debris)
Absolute
N Not Applicable

OUTPUTS

2V RS-232 digital, 0-5V analog
5V RS-485 digital, 0-5V analog

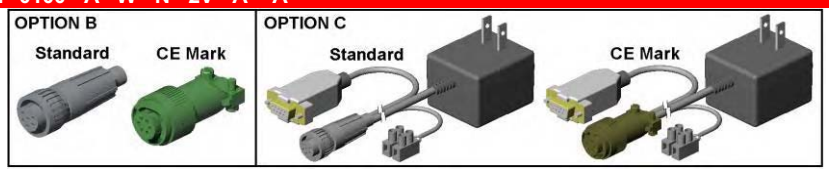
ELECTRICAL CONFIGURATION AND CONNECTION

A Standard, 6-pin plastic connector
B CE Mark (4), 6-pin metal connector

OPTIONS

A Demonstration Kit(6) (RS-232 only)
B Mating Connector (See Below)
C Power Supply/Data Cable (RS-232 only, See Below)

PPT 0100 A W N 2V A -A



Find out more

For more information on Honeywell's Precision Pressure Transducers visit us online at http://www.yorkinstrument.com contact us at 800-323-8295 or 763-954-2474. Customer Service Email: Email:sensor@yorkinstrument.com

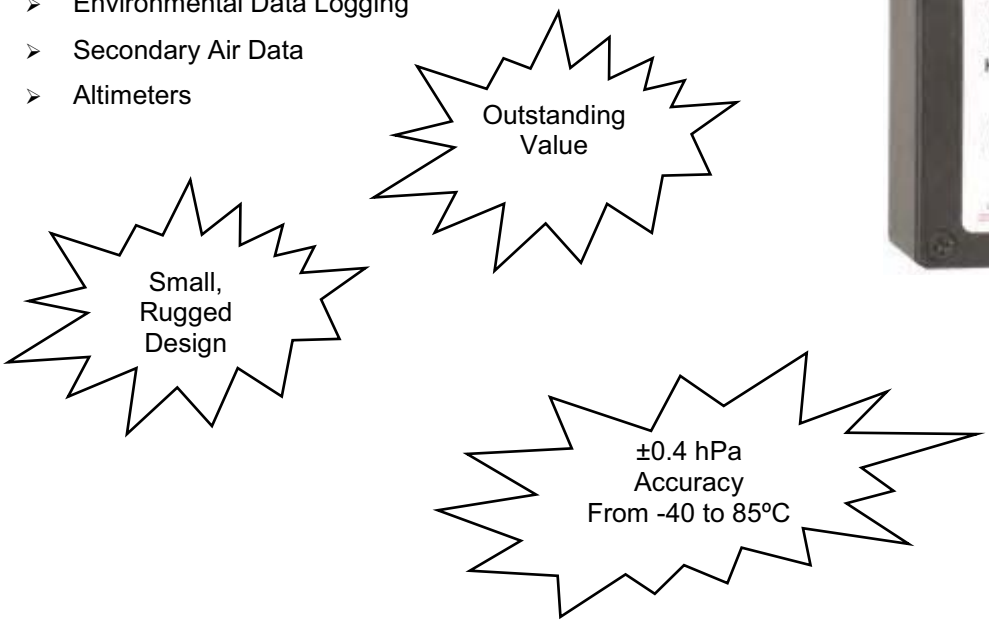
Honeywell

Honeywell Precision Barometer HPA100/HPA200/HPB100/HPB200

The Honeywell Precision Barometer (HPB) offers outstanding value to instrument builders requiring accurate and stable barometric measurements in real-world conditions. The HPB uses proven silicon sensor technology with microprocessor-based signal compensation, eliminating the need to insulate or temperature-regulate the barometer. The HPB has a pressure range of 500 to 1200 hPa. The HPA, intended for altimeter applications, provides a pressure range of 0 to 17.6 psia.

APPLICATIONS:

- AWOS Weather Systems
- Remote Meteorological Stations
- Ocean Data Buoys
- Environmental Data Logging
- Secondary Air Data
- Altimeters



FEATURES AND BENEFITS

ISO-9001
ISO-14001

- **High Accuracy**
  ±0.4 hPa max from -40 to 85°C
  ±0.03% FS max from -40 to 85°C
- **Two-tiered accuracy including temperature errors over -40 to 85°C** – HPB, ±0.4 hPa or ±0.8 hPa; HPA, ±0.03% or ±0.06% FS Max.
  Simplifies System Design – there is no need to insulate, temperature-regulate or provide additional signal compensation.
- **Multiple Interface Options**
- **Easy Interface, Plug-and-Play for your system requirements.**
  TTL – for lowest power consumption (33 milliwatts)
  RS-232 – receives commands and sends data to a single serial port of a computer.
  RS-485 – up to 89 units can be connected to a two-wire multidrop bus.
- **Proven Honeywell Technology**
- **Stable and Reliable** – Honeywell has been building the world's highest performance silicon pressure sensors for over thirty years.

SPECIFICATIONS

Performance Specifications (1)

Accuracy: (from -40 to 85ºC)
HPB200: ±0.4 hPa maximum
HPB100: ±0.8 hPa maximum
HPA200: ±0.03% FS maximum
HPA100: ±0.06% FS maximum
Temperature: ±1ºC (at sensing element)
Temperature Range:
Operating -40 to 85ºC (-40 to 185ºF)
Storage: -55 to 90ºC (-67 to 194ºF)
Sample Rate(3)**:** 8.33ms to 51.2 min
Resolution:
0.0011% FS(4)
Response Delay:
(1000/update rate) +1ms, minimum 17ms
Long Term Stability(6)**:**
HPB: 0.25 hPa max per year
HPA: 0.02% FS max per year

Mechanical Specifications

Pressure Ranges:
HPB: 500 to 1200 hPa (1 hPa = 1 mbar)
HPA: 0 to 17.6 psia
Pressure Units(3)**:** atm, bar, cmwc, ftwc, hPa, inHg, inwc, kg/cm², KPa, mBar, mmHg, MPa, mwc, psi, user, Icom, pfs
Media Compatibility: Suitable for non-condensing, non-corrosive, and non-combustible gases.
Weight: 5 oz. (142 gm) without fittings

Electrical Specifications

Output: TTL, RS-232, RS-485
Power Requirements:
TTL Supply Voltage: 6 to 26 VDC
RS-232, RS-485 Supply Voltage: 5.5 to 30 VDC
Operating Current:
RS-232/RS-485: 17-30mA; TTL: 6-9 mA
Baud Rate(3): 1200, 2400, 4800, 9600, 14400, 19200, 28800
Bus Addressing(3): Address up to 89 units.

Environmental Features(2)

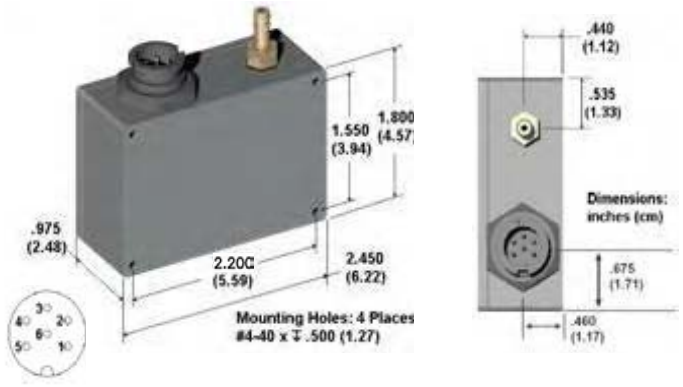
Humidity Sensitivity: Negligible
Acceleration Sensitivity: Negligible
Mechanical Shock: 1500g, 0.5ms half sine
Temp Shock: 24 1-hour cycles, -40 to 85ºC
Vibration: 0.5in or 20G's, 20Hz – 2K Hz

(1) Accuracy is the sum of worst case linearity, repeatability, hysteresis, thermal effects and calibration errors from -40 to 85ºC. Calibration is traceable to NIST. (2) Mechanical Shock tested per MIL-STD-883D, M2002.3, Cond. B. Vibration tested per MIL-STD-883D, M2007.2, Cond. A. (3) User Configurable. (4) Best resolution obtained with PFS (percent full scale) pressure units. (5) Demonstration kit includes unit, power supply/data cable (120V), demonstration software, TTL-to-RS-232 converter (TTL only), and user manual. (6) When continuously powered at 25±10°C, <90%RH and 28 to 32 inHg atmospheric pressure.

CASE OUTLINE

Pin#	Signal Name
1	RS-232(TD)/RS-485(B)
2	RS-232(TD)/RS-485(A)
3	Case Ground
4	Common Ground(GND)
5	DC Power In(+)
6	N/C

Pin #	Signal Name
1	TTL XMIT
2	TTL RCV
3	Case Ground
4	Common Ground(GND)
5	DC Power In(+)
6	Power Control



ORDERING INFORMATION

Honeywell Precision Barometer

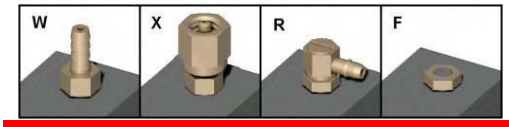
APPLICATION TYPE

HPB	Barometer Application, 500 to 1200 hPa (1 hPa = 1 mbar)
HPA	Altimeter Application, 0 to 17.6 psia

ACCURACY	BAROMETER	ALTIMETER
200	±0.4 hPa max	±0.03% FS max
100	±0.8 hPa max	±0.06% FS max

PRESSURE CONNECTION

W	Brass barbed (1/8 inch ID tubing)
X	Brass Swagelok™ (1/8 inch female)
R	Brass barbed, right angle (1/8 inch ID tubing)
F	Filter (blocks debris)



OUTPUTS

2D	RS-232
5D	RS-485
TT	TTL

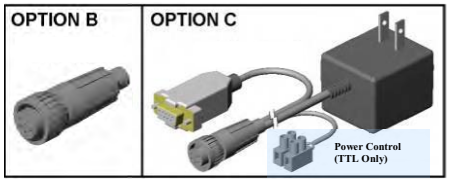
ELECTRICAL CONFIGURATION AND CONNECTION

A	6-pin plastic connector

OPTIONS

A	Demonstration Kit(5) (RS-232, TTL only)
B	Mating Connector (See Below)
C	Power Supply/Data Cable (RS-232, TTL with Option G only, See Below)
G	TTL to RS-232 Converter (TTL only)

HPB	200	W	2D	A	-B



Find out more

For more information on Honeywell's Precision Pressure Transducers visit us online at http://www.yorkinstrument.com contact us at 800-323-8295 or 763-954-2474. Customer Service Email:Email:sensor@yorkinstrument.com

Honeywell

Honeywell

Precision Pressure Transducer-Ruggedized PPTR

Honeywell's PPTR offers a rugged, smart pressure transducer for use in harsh environments. It combines proven silicon sensor technology with microprocessor-based signal conditioning to provide an extremely smart pressure transducer. Designed with a hermetically sealed, stainless steel construction, the PPTR operates in severe vibration, thermal and mechanical shock environments. The PPTR has many software features that support a wide range of applications.

APPLICATIONS:

- Engine Test Stands
- Flight Testing
- Water Depth
- Unmanned Underwater Vehicles
- Instrumentation and Analytical Equipment
- Process Control
- Research and Development

±0.10% Accuracy from -40 to 85ºC

Hermetically Sealed

Digital and Analog

CE Qualified
ISO-9001
ISO-14001

FEATURES AND BENEFITS

High Accuracy
±0.10% FS typical accuracy from -40 to 85°C

- **Simplifies System Design** - No additional signal compensation needed to gain the benefits of a very accurate sensor.

- **Smart, Digital Sensing and Control**
  - **Efficient Data Acquisition** - Connect up to 89 units on a multidrop bus using built-in RS-485 capability.
  - **Easy Interface** - Directly connects to PC via communication ports.
  - **Closes the Loop** - Smart PPTR makes control decisions.

- **Versatile and Configurable**
  - **Works with existing and new systems.** - All units have 0-5V analog and either RS-232 or RS-485 digital outputs.
  - **Isolation diaphragms handle most media** - harsh gases or liquids.
  - **Rugged Design** - Operates in severe vibration, thermal, and mechanical shock environments.
  - **Optimizes Output** - User-configurable pressure units, sampling, update rate.
  - **Flags Problems** - Internal diagnostics set flags, provide alarms.

- **User Selectable Software Features**
  - Baud Rate, Parity Setting, Continuous Broadcast, ASCII or Binary Output, Sensor Temperature Output (°C or °F), Deadband, Sensitivity, Tare Value, Configurable Analog Output

PPTR

SPECIFICATIONS

Performance Specifications [1]

Accuracy: (from -40 to 85ºC)
Digital: ±0.10% FS Typ., ±0.20% FS Max.[2]
Analog: ±0.12% FS Typ., ±0.24% FS Max.[2]
Temperature: ±1ºC (at sensing element)
Temperature Range:
Operating -40 to 85ºC (-40 to 185ºF)
Storage: -55 to 90ºC (-67 to 194ºF)
Sample Rate[5]**:** 8.33ms to 51.2 min
Resolution:
Digital: Up to 0.0011% FS
Analog: 1.22mV steps (12 bits)
Response Delay:
(1000/update rate) +1ms, minimum 17ms

Mechanical Specifications

Pressure Ranges and Type:
See Ordering Information
Pressure Units[5]**:** atm, bar, cmwc, ftwc, hPa, inHg, inwc, kg/cm², KPa, mBar, mmHg, MPa, mwc, psi, user, Icom, pfs
Media Compatibility: Suitable for media compatible with 316 stainless steel (Consult factory for Hastelloy diaphragm.)
Weight: 14 oz. (397 gm) 6-pin connector
22 oz. (624 gm) NPT w/pigtail style

Electrical Specifications

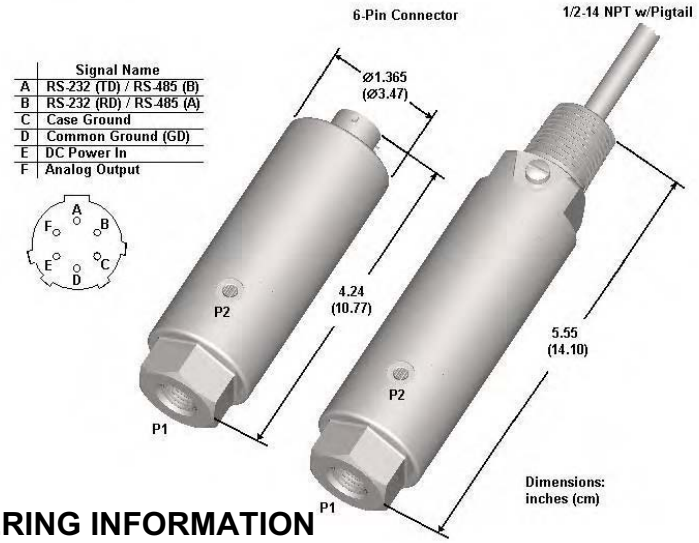
Output:
RS-232 Digital w/0-5VAnalog[5]
RS-485 Digital w/0-5V Analog[5]
Power Requirements:
Supply Voltage: 6 to 30 VDC
Operating Current: 19-27mA
Baud Rate[5]**:** 1200, 2400, 4800, 9600, 14400, 19200, 28800
Bus Addressing[5]**:** Address up to 89 units

Environmental Features[3][4]

Overpressure: 3x FS, maximum 6000psi
Burst Pressure: 3x FS, maximum 8500psi
Mechanical Shock: 1500g, 0.5ms half sine
Temp Shock: 24 1-hour cycles, -40 to 85ºC
Vibration: 0.5in or 20G's, 20Hz – 2K Hz

(1) Accuracy is the sum of worst case linearity, repeatability, hysteresis, thermal effects and calibration errors from -40 to 85ºC. Typical is the average of absolute value of errors at all pressures and temperatures. Calibration is traceable to NIST. (2)Tighter accuracy available on some models. Consult factory. (3) Exposure to overpressure will not permanently affect calibration or accuracy of unit. Exceeding burst pressure may result in media escape. Mechanical Shock tested per MIL-STD-883D, M2002.3, Cond. B.Vibration tested per MIL-STD-883D, M2007.2, Cond. A. (4) CE Mark per IEC 61326. See http://www.yorkinstrument.com for information on test levels and results. Connector MIL-C-26482, Shell Size #10, 6-pin #20 size. (5) User configurable. (6) Demonstration kit includes unit, power supply/data cable (120V), demonstration software, and user manual.

CASE OUTLINE



ORDERING INFORMATION

PPTR Precision Pressure Transducer - Ruggedized

FULL SCALE PRESSURE RANGE

	Absolute	Gauge
0015	15 PSI	n/a
0020	20 PSI	20 PSI
0040	40 PSI	40 PSI
0100	100 PSI	100 PSI
0300	300 PSI	300 PSI
0500	500 PSI	500 PSI
1000	1000 PSI	1000 PSI
1500	1500 PSI	1500 PSI
3000	3000 PSI	3000 PSI

TYPE		P1 Pressure	P2 Pressure
A	Absolute	0(vacuum) to FS	N/A
G	Gauge	Reference to FS	Reference

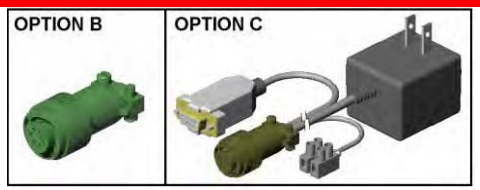
P1 PRESSURE CONNECTION
P ¼ - 18 NPT (internal)

OUTPUTS
2V RS-232 digital, 0-5V analog
5V RS-485 digital, 0-5V analog

ELECTRICAL CONFIGURATION AND CONNECTION
B 6-pin connector[4]
D ½ - 14 NPT external w/4ft pigtail cable

OPTIONS
A Demonstration Kit[6] (RS-232 only)
B Mating Connector – for 6-pin connector version
C Power Supply/Data Cable – for 6-pin connector version (RS-232 only)

PPTR 0500 A P 2V B -A



Find out more

For more information on Honeywell's Precision Pressure Transducers visit us online at www.pressuresensing.com or contact us at 800-323-8295 or 763-954-2474. Customer Service Email: Email:sensor@yorkinstrument.com

Honeywell

Honeywell

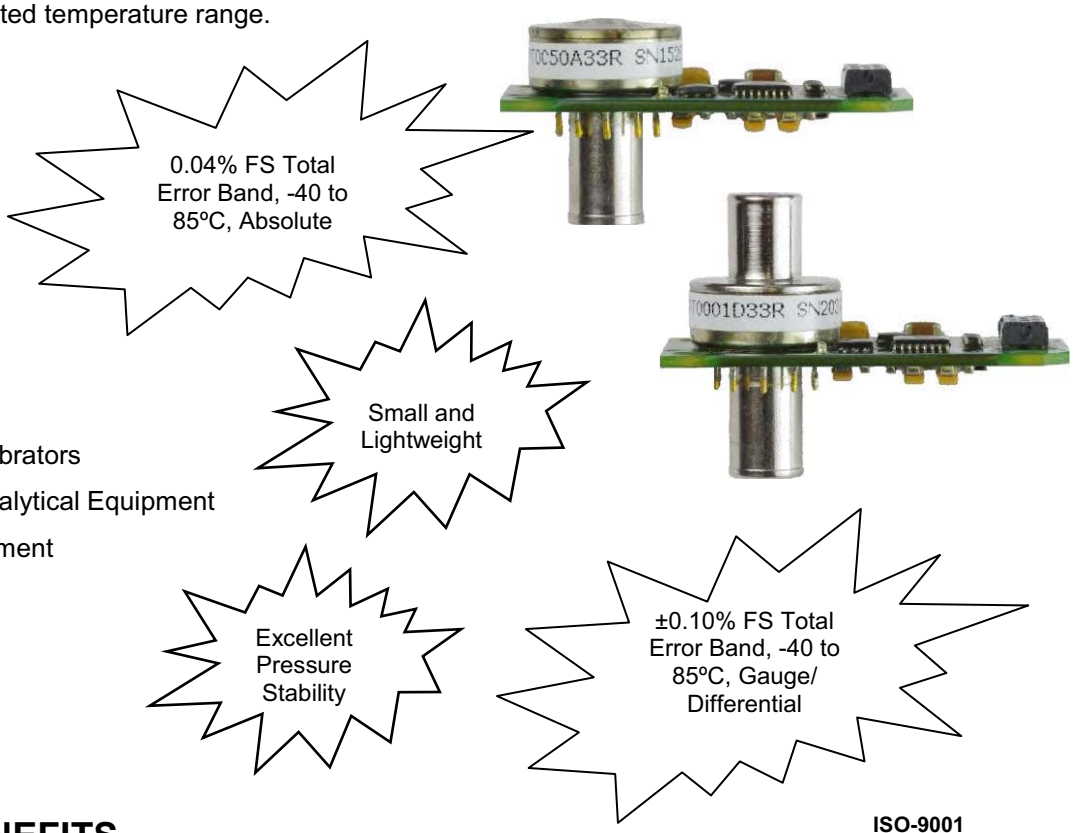
Integrated Pressure Transducer

IPT/IPT0020A33R/IPT0050A33R/IPT0001G33R/IPT0001D33R

Honeywell's Integrated Pressure Transducer (IPT) provides high accuracy pressure data in an industry standard SPI digital format. The core of the IPT is a proven Honeywell silicon piezoresistive pressure sensor with both pressure and temperature sensitive elements. The IPT is small and lightweight and can be easily integrated by the user into a wide variety of applications that require high performance in a small package. Applying the coefficients stored in the on-board EEPROM to the normalized IPT pressure and temperature output yields highly accurate and stable pressure readings over the -40 to 85°C compensated temperature range.

APPLICATIONS:

- Air Data Computers
- Altimeters
- Cabin Air Pressure
- Engine Test Systems
- Flight Test Systems
- Meteorology
- Flow and Pressure Calibrators
- Instrumentation and Analytical Equipment
- Research and Development

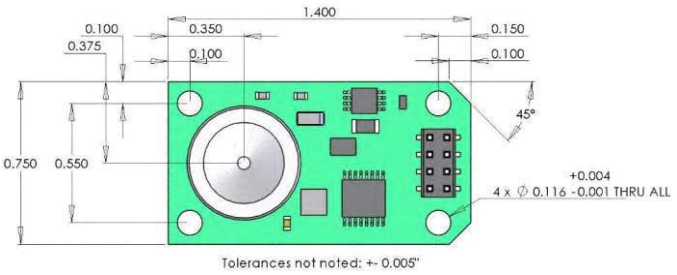


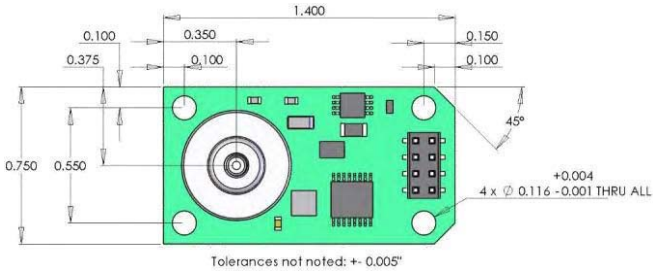
FEATURES AND BENEFITS

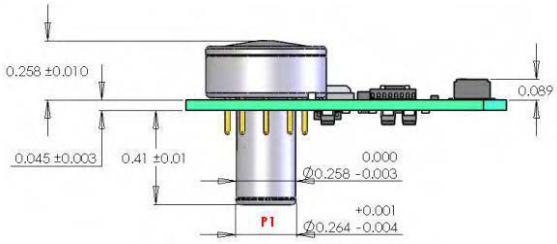
ISO-9001
ISO-14001

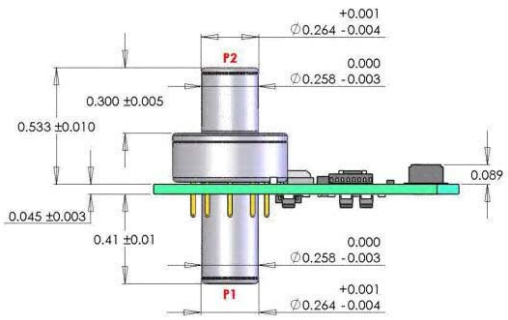
- **High Accuracy Over a Wide Temperature Range**
  From -40 to 85°C
  ±0.04% FS Total Error Band (absolute pressure),
  to ±0.10% FS Total Error Band (gauge/ differential pressure) (1)
- **Digital SPI Output**
- **Small and Versatile**
- **Stored Correction Coefficients in EEPROM –** Ready to use; No additional pressure and temperature calibration necessary.
  Simplifies System Design – No additional signal compensation needed to achieve a highly accurate pressure reading.
- **Industry Standard Interface –** Ready communication between a µController/µProcessor and the IPT.
- **Volume** ~ 1 in^3 (16 cm^3)
  Lightweight – Less than 10 grams.
  Media Interface – Handles most dry gas media.

DIMENSIONS









SPECIFICATIONS

Performance Specifications [1]

Total Error Band: (from -40 to 85ºC)
±0.04%FS absolute
±0.10%FS gauge, differential
±0.20%FS 1 psi gauge

Temperature Range:
Operating -40 to 85ºC (-40 to 185ºF)
Storage: -55 to 125ºC (-67 to 257ºF)

Long Term Stability:
0.025% FS max per year

Mechanical Specifications

Pressure Ranges and Type:
See Ordering Information at right

Pressure Units: PSI[2]

Media Compatibility: Suitable for non-condensing, non-corrosive, and non-combustible gases.

Weight[3]**:** ~8.0 grams (absolute)
~9.7 grams (gauge, differential)

Electrical Specifications

Output:
24-bit pressure value
16-bit temperature value
256 x 8 EEPROM configuration

Power Requirements:
Supply Voltage: 4 to 12 VDC

Current Consumption:
6 mA typical, 7.5 mA max

Interface: 3.3V SPI (mode 1,1) SCLK ≤5 Mhz

Update Rate: 166 samples/second

Environmental Features

Overpressure: 3x FS

Burst Pressure: 3x FS

Mechanical Shock: DO-160E Section 7.0, Category A, Figure 7.2, Operational Standard

Thermal Shock: Storage Temperature Cycling per JESD22-104, Section 5.0: -55ºC to +125ºC

Vibration: DO-160E Section 8, Category H, Aircraft Type 2, Aircraft Zones 1 & 2

RoHS Compliant (2002/05/EC): Yes

ORDERING INFORMATION

IPT Integrated Pressure Transducer

IPT — **FULL SCALE PRESSURE RANGE**

	Absolute	Gauge	Differential
0001	***N/A***	1 PSIG[1]	1 PSID
0002	***N/A***	2 PSIG	2 PSID
0005	***N/A***	5 PSIG	5 PSID
0010	***N/A***	10 PSIG	10 PSID
0020	20 PSIA	20 PSIG	20 PSID
0050	50 PSIA	***N/A***	***N/A***

TYPE

		P1 Pressure	P2 Pressure
A	Absolute	0 (vacuum) to FS	N/A
G	Gauge	Reference to FS	Reference
D	Differential	+FS to –FS rel. to P2	+FS to –FS rel. to P1

DIGITAL INTERFACE VOLTAGE

33 3.3 volts

POWER SUPPLY

R Regulated, 4-12VDC

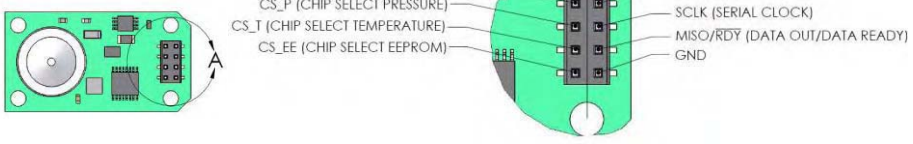
OPTIONS

A Demonstration Kit[4]

Example:

IPT	0020	A	33	R	-A

CONNECTOR



[1] Total Error is the sum of worst case linearity, repeatability, hysteresis, thermal effects, and calibration errors over the operating temperature range. Accuracy is only achieved after applying the correction coefficients and algorithm as shown in section 3.2. of Product Specification (FS = Full Scale). For total error calculations of differential units, "Full Scale" is the pressure difference between the minimum and maximum pressures. For example, full scale for a 1 psid PPT is 2 psi (-1 to +1 psi). Pressure range 1psi gauge has total error of ±0.20% FS. [2] After applying the correction coefficients stored in EEPROM, the resultant pressure reading is expressed in PSI (pounds per square inch). [3] Not including mounting hardware. [4] Demonstration kit includes RS-232 Cable, Demo Board, AC adapter, MS Windows Software, and User's Manual.

Find out more

For more information on Honeywell's Precision Pressure Transducers visit us online http://www.yorkinstrument.com us at 1-800-323-8295 or 763-954-2474. Customer Service Email: Email:sensor@yorkinstrument.com

Honeywell

Honeywell 精密压力传感器所有型号

一、Honeywell PPT 所有型号:

PPT00.5DWW5VB-B PPT0001DWW2VA-B PPT0001DWW2VB-B PPT0001DWW2VA-B-F PPT0001DWW2VB-A
PPT0001DWW5VA-A PPT0001DWW2VA-A PPT0001DWW5VA-B PPT0001DWW5VB-A
PPT0001DWW5VB-B PPT0001DWW5VA-F PPT0001GWW2VA-B
PPT0002DWW2VA-A PPT0002DWW2VA-B PPT0002DWW2VA-F PPT0002DWW2VB-B
PPT0002DWW2VB-A PPT0005DWW2VA-B PPT0005DWW2VA-B PPT0005DXX2VA-B
PPT0005GWN2VA-B PPT0005GWN2VB-B PPT0005GWW5VA-F PPT0010DXX2VA-A PPT0015ARN2VA-A
PPT0015AWN2VA-B PPT0005GWN2VA-B PPT0015AWN5VB-B PPT0015AWN5VA-B
PPT0015AWN5VB-C PPT0020AWN2VB-B PPT0016AWN2VA-S255 PPT0020ARN2VB-B PPT0020ARN2VB-B
PPT0020AWN5VA-B PPT0020AWN5VB-B PPT0020AWN2VB-B
PPT0020AWN2VA-A PPT0020AWN2VA-B PPT0020AWN2VA-F PPT0020AWN5VA-A PPT0020AWN5VA-B
PPT0020AWN5VA-B-S274 PPT0020AWN5VB-B PPT0020AWN5VB-B PPT0020AXN2VA-C PPT0020DRR2VA-B
PPT0020DRR2VA-B PPT0020DWW5VB-C PPT0028AWN2VB-S125 PPT0030DWW5VA-B-S278 PPT0050AWN2VA
PPT0050AWN2VA-A PPT0050AWN2VA-B PPT0050AWN2VB-B PPT0050AWN5VA-B PPT0050AWN5VB-B
PPT0050AWN2VA-B PPT0050AWN5VA-A PPT0050AWN5VA-B PPT0050DWW2VA-B
PPT0050DWW2VA-C PPT0050GWW5VA-B PPT0100AXN2VA-C PPT0100DWW2VA-C PPT0100DWW2VA-B
PPT0300DWW5VB-B PPT0300GWW2VB-C PPT0500AXN5VA-B PPT0500AWN5VA-B PPTR0040APSVB
PPTR0060AP5VB-R022 PPTR0100AP5VB PPTR0100GP2VB-C PPTR0120AP5VB-R102
PPTR0300AP5VB PPTR0600AP5VB-R022 PPTR1200AP5VB-R072 PPT0050AWN2VB-B PPT0050AWN5VB-B
PPT0100AWN2VA-B PPT0100AWN2VB-B PPT0100AWN5VA-B PPT0100AWN5VB-B
PPT0300AWN2VA-B PPT0300AWN2VB-B PPT0300AWN5VA-B PPT0300AWN5VB-B PPT0500AWN2VA-B
PPT0500AWN2VB-B PPT0500AWN5VB-B PPT0001DWW5VB-B PPT0002DWW5VB-B PPT0002DWW5VA-B
PPT0005DWW2VB-B PPT0005DWW5VA-B PPT0005DWW5VB-B PPT0010DWW2VA-B PPT0010DWW2VB-B
PPT0010DWW5VB-B PPT0010DWW5VA-B PPT0020DWW2VA-B PPT0020DWW2VB-B PPT0020DWW5VB-B
PPT0020DWW5VA-B PPT0100DWW2VB-B PPT0100DWW5VB-B PPT0100DWW5VA-B
PPT0300DWW2VA-B PPT0300DWW2VB-B PPT0300DWW5VA-B PPT0500DWW2VA-B PPT0500DWW2VB-B
PPT0500DWW5VB-B PPT0500DWW5VA-B PPT0015AWN2VA-B PPT0015AWN5VA-B PPT0020AWN5VA-B
PPT0020AWN2VA-B PPT0050AWN2VA-B PPT0050AWN5VA-B PPT0020GWW2VA-B PPT0020GWW5VA-B
PPT0020DWW2VA-B PPT0020DWW5VA-B PPT0050DWW2VA-B PPT0050DWW5VA-B PPT0100AWN2VA-B
PPT0100AWN5VA-B PT0100GWW2VA-B PPT0100GWW5VA-B PT0100DWW2VA-B
PPT0100DWW5VA-B PT0300AWN2VA-B PPT0300AWN5VA-B PT0300DWW2VA-B PPT0300DWW5VA-B
PT0500AWN2VB-B PPT0500AWN5VB-B PT0500DWN2VB-B PPT0500DWN5VB-B PT0500GWN2VB-B
PPT0500GWN5VB-B PPT0015AWN2VB-B PPT0015AWN5VB-B PPT0020AWN5VB-B PPT0020AWN2VBA-B
PPT0050AWN2VB-B PPT0050AWN5VB-B PPT0020GWW2VB-B PPT0020GWW5VB-B PPT0020DWW2VB-B
PPT0020DWW5VB-B PPT0050DWW2VB-B PPT0050DWW5VB-B PPT0100AWN2VB-B
PPT0100AWN5VB-B PT0100GWW2VB-B PPT0100GWW5VB-B PT0100DWW2VB-B
PPT0100DWW5VB-B PT0300AWN2VB-B PPT0300AWN5VB-B PT0300DWW2VB-B PPT0300DWW5VB-B
PT0500AWN2VA-B PPT0500AWN5VA-B PT0500DWN2VA-B PPT0500DWN5VA-B PT0500GWN2VA-B
PPT0500GWN5VA-B PPTR0015AP2VB-B PPTR0015AP5VB-B PPTR0015AP2VD
PPTR0020AP5VD PPTR0020AP2VB-B PPTR0020AP5VB-B PPTR0020AP2VD PPTR0020AP5VD
PPTR0020GP5VD PPTR0020GP2VB-B PPTR0020GP5VB-B PPTR0020GP2VD PPTR0020GP5VD PPTR0040AP5VD
PPTR0040AP2VB-B PPTR0040AP5VB-B PPTR0040AP2VD PPTR0040AP5VD PPTR0040GP5VD

PPTR0040GP2VB-B PPTR0040GP5VB-B PPTR0040GP2VD PPTR0040GP5VD
PPTR0100AP2VB-B PPTR0100AP5VB-B PPTR0100AP2VD PPTR0100AP5VD
PPTR0100GP2VB-B PPTR0100GP5VB-B PPTR0100GP2VD PPTR0100GP5VD PPTR0300AP2VB-B
PPTR0300P5VB-B PPTR0300AP2VD PPTR0300AP5VD PPTR0300GP2VB-B PPTR0300G5VB-B PPTR0300GP2VD
PPTR0300GP5VD PPTR1000AP2VB-B PPTR1000AP5VB-B PPTR1000AP2VD
PPTR1000AP5VD PPTR1000GP2VB-B PPTR1000GP5VB-B PPTR1000GP2VD PPTR1000GP5VD PTR1500AP2VB-B
PPTR1500AP5VB-B PPTR1500AP2VD PPTR1500AP5VD PTR1500GP2VB-B PPTR1500GP5VB-B PPTR1500GP2VD
PPTR1500GP5VD PTR3000AP2VB-B PPTR3000AP5VB-B PPTR3000AP2VD PPTR3000AP5VD PTR3000GP2VB-B
PPTR3000GP5VB-B PPTR3000GP2VD PPTR3000GP5VD

二、Honeywell HPA100 及 HPB200 型号:

HPA100W2DA-A HPA100W2DA-B HPA100W2DA-C HPA100W2DB-A HPA100W2DB-B HPA100W2DB-C
HPA100W5DA-A HPA100W5DA-B HPA100W5DA-C HPA100W5DB-A HPA100W5DB-B HPA100W5DB-C
HPA200W2DA-A HPA200W2DA-B HPA200W2DA-C HPA200W2DB-A HPA200W2DB-B HPA200W2DB-C
HPA200W5DA-A HPA200W5DA-B HPA200W5DA-C HPA200W5DB-A HPA200W5DB-B HPA200W5DB-C
HPB100W2DA-A HPB100W2DA-B HPB100W2DA-C HPB100W2DB-A HPB100W2DB-B HPB100W2DB-C
HPB100W5DA-A HPB100W5DA-B HPB100W5DA-C HPB100W5DB-A HPB100W5DB-B HPB100W5DB-C
HPB200W2DA-A HPB200W2DA-B HPB200W2DA-C HPB200W2DB-A HPB200W2DB-B HPB200W2DB-C
HPB200W5DA-A HPB200W5DA-B HPB200W5DA-C HPB200W5DB-A HPB200W5DB-B HPB200W5DB-C
HPA100R2DA-B HPA100W2DA-B
HPA200W2DA-A HPA200W2DA-B HPA200W2DB HPA200W2DB-B HPA200W5DA-B HPA200W5DA-C
HPA100WTTLA-A HPA100WTTLA-B HPA200WTTLA-A HPA200WTTLA-B HPA100WTTLB-A HPA100WTTLB-B
HPA200WTTLB-A HPA200WTTLB-B HPB100W5DA-B HPB200F5DA-B HPB200F5DB-B HPB200W2DB-B

三、Honeywell 的 IPT 压力传感器所有型号:

IPT0001G33R IPT0002G33R IPT0005G33R IPT0010G33R IPT0020G33R IPT0050G33R
IPT0001D33R IPT0002D33R IPT0005D33R IPT0010D33R IPT0020D33R IPT0050D33R
IPT0020A33R IPT0050A33R

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