

185PC15DT



Pressure Sensors: Measurement
Type: Differential, Gage; Signal
Conditioning: Amplified; Pressure
Range: 0 psi to 15.0 psi; Port Style:
Straight

Features

- Miniature plastic package
- Terminal and housing mount styles
- PCB termination
- Fully signal conditioned
- Amplified

Potential Applications

Medical

- Dental chairs
- CPAP (Continuous Positive Airway Pressure) equipment
- Blood glucose monitors
- Oxygen conservers
- Oxygen concentrators

Environmental

- Water control valves
- Instrumentation
- Irrigation equipment
- Filter monitoring equipment
- Leak detection systems in underground telecommunications cables
- Radiometers

Industrial Instrumentation

- Robotics
- Pressure valves
- Leak detection **Analytical Instrumentation**
- Gas chromatography
- Chemical analyzers

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Description

180PC Series pressure sensors provide an output voltage that is proportional to the pressure applied. They operate in ranges from 0 psi to 5.0 psi, -15 psi to 15 psi, and 0 psi to 30.0 psi using a single, positive supply voltage ranging from 7.0 Vdc to 16.0 Vdc.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Product Specifications	
Measurement Type	Differential, Gage
Signal Conditioning	Amplified
Pressure Range	0 psi to 15.0 psi
Overpressure	45.0 psi
Supply Voltage	7.0 Vdc min., 8.0 Vdc typ., 16.0 Vdc max.
Temperature Compensation	Yes
Output Calibration	Yes
Response Time	1 ms max.
Termination	PCB
Port Style	Straight
Package Type	Honeywell - 100PC
Linearity	± 2.0% span max. (P2 > P1), ± 1.0% span max. (P2 < P1)
Sensitivity	0.333 V/psi
Full Scale Span	5.0 Vdc typ.
Null Offset	1.0 Vdc typ.
Repeatability & Hysteresis Error	± 0.25 % span typ.
Shock	Qualification tested to 150 g
Vibration	MIL-STD-202 Method 213 (150 g half sine 11 ms)
Operating Temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Compensated Temperature Range	0 °C to 50 °C [32 °F to 122 °F]
Storage Temperature	-55 °C to 125 °C [-67 °F to 257 °F]
Media Compatibility	Port 1: Dry gases only. Port 2: Wetted materials. Polyester housing, epoxy adhesive, silicon, borosilicate glass and silicon-to-glass bond.
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Availability	Global
Series Name	180PC

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)