

Ceramic piezoresistive Pressure Transmitter

Introduction

CS-PT1300 transmitter developed by our R&D center is a special product for auto application. The product adopts the latest sensor and circuit technology for pressure transmitter. It has the advantages of low cost, high quality, mass production. The compact assembly process makes the products perform stably and reliably.

Outline dimensions and connector

Measurement Range: 0~5...300bar

Overload Pressure: 1.5 times full scale

Accuracy: (nonlinearity+repeatability+

$\pm 1\%FS$ (10...40°C)

$\pm 2\%FS$ (0...80°C)

$\pm 4\%FS$ (-40...135°C)

Power Supply: 4.5V~5.5VDC

Voltage Output: 0.5~4.5VDC (ratio v)

Insulation: $\geq 10M\Omega@50V$

Response Time : <10ms (0...99%)

Vibration/ Shock: 10g/5...2000HzX/Y

Wiring Type: three-wire

Electrics Connector: Packard

Connector and Shell :1Cr18Ni9Ti stai

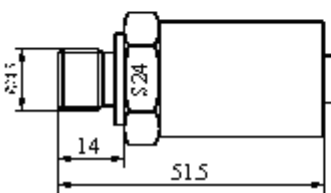
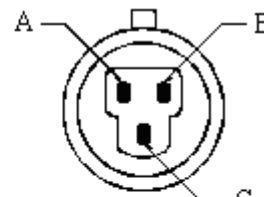
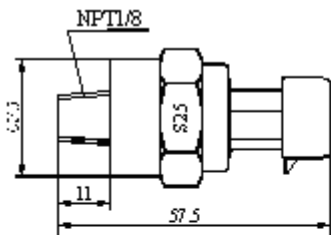
Electromagnetic Compatibility: Electromagnetic radiation: EN50081-1/-2

Electromagnetic sensitivity: EN50082-2

Pressure Ports: Male G1/4, M12×1.5, M12×1, M14×1.5 or 3/8NPT

Shell Protection: IP65

Weight : $\approx 45g$



| PIN Definition | | | |
|----------------|-------|-------|----------|
| Pin | A | B | C |
| Definition | Power | COM | Output |
| | V+ | GND | 0.5-4.5V |
| | Red | Black | Blue |