

# Magneti Marelli 1bar MAP Sensor PRT03



**Brand:** Magneti Marelli

**Product Code:** PRT03/04

**Availability:** In Stock

**Weight:** 0.10kg

**Dimensions:** 5.00cm x 5.00cm x 5.00cm

**Price: \$159.50**

## Short Description

The PRT xx series are high accuracy, high reliability analog absolute pressure sensors. The PRT03/04 has a pressure range of 17-105kpa (0.17- 1.05BAR).

## Description

Each pressure sensor exploits the piezoresistive properties of silicon devices. The sensing element is a Wheatstone bridge located on a mechanically-shaped silicon chip. A thick film hybrid circuit for signal amplifying is included in the same package. The same circuitry provides thermal compensation and noise reduction. These active devices are housed in hermetically sealed plastic protective casings.

## Applications

Ducati part Number - 552.4.002.1A

- 748
- 916RS
- 996RS
- 998RS

- & Most other injected models pre-2002

## Technical Data

### Technical data

#### Mechanical Characteristics

Dimensions (maximum) .....76,5x65.0x32.0 mm  
 Nozzle diameter .....4.7 mm  
 Weight .....42.0 g  
 Connector .....Mini-Timer 3 ways

#### Electrical Characteristics

Power supply .....5.00 Vdc  $\pm$ 0.5  
 Min pressure output (at 5 Vdc supply) .....0.25 V  
 Full scale output (at 5 Vdc supply) .....4.75 V  
 Output impedance..... less than 10 W

#### Performance


Pressure range:

PRT 03/04..... 17 ÷ 105 kPa  
 Operating temperature range..... -40 ÷ 125 °C  
 Response time .....less than 2 ms  
 Accuracy (from nominal values) ..... 1 % f.s.o.  
 (including non-linearity, hysteresis and repeatability)  
 Over pressure..... 200 %

#### Pinout

##### Connector Pin Out

| PIN | Description |
|-----|-------------|
| 1   | + 5Vdc      |
| 2   | GN          |
| 3   | Signal      |

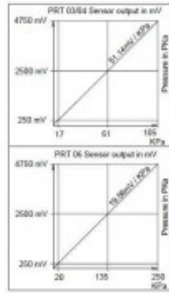
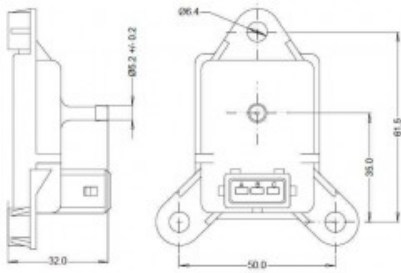


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# Calibration Files

## Emtron esc Calibration File - PRT03.esc

### Product Gallery



### Connector Pin Out

| PIN | description |
|-----|-------------|
| A   | + 5 Vdc     |
| B   | GND         |
| C   | Signal OUT  |

