



## SS150C STAINLESS STEEL PRESSURE GAUGE WITH ALARM CONTACTS

### INTRODUCTION

TRENT SS150C stainless steel pressure gauges with alarm contacts are high quality bourdon tube pressure gauges which are specially designed for installation in water supply systems. They are especially suitable for use in pumping stations which demand robust gauges under severe working environment.

### APPLICATIONS

TRENT SS150C stainless steel pressure gauges with alarm contacts are purposely designed gauges for measurement of pressure in water supply systems. Typical applications include measurement and control of suction & discharge pressures of pumpsets. Standard gauges are calibrated in meter wg, for direct reading of pumping head without conversion. The built in high & low alarm contacts in the gauges are suitable for sounding alarm or trip pumps in the event of abnormal pump suction or delivery pressures. The gauges are also suitable for use on air, oils and other fluids compatible with stainless steel. Combined pressure & vacuum gauges can be supplied to indicate vacuum relative to atmospheric pressure.

### FEATURES

All wetted parts & casing of TRENT SS150C stainless steel pressure gauges with alarm contacts are manufactured from stainless steel. Optional completely sealed casings filled with liquid glycerin available upon request.

#### **Scale calibrations:**

All gauges are calibrated in Mwg for direct reading of pressure head in water supply systems.



#### **Working temperature:**

TRENT SS150C stainless steel pressure gauges with alarm contacts are designed to work optimally at ambient temperature. They should not be exposed to excessive heat or cold since this cause them to indicate incorrectly. In the case of application in hot fluid, pressure gauge should be mounted at some distance from the tapping point with sufficient length of tubing or syphon in between to cool down the fluid.

#### **Working pressure:**

The ranges of TRENT SS150C stainless steel pressure gauges with alarm contacts are designed specifically for water supply pumping system. It is recommended that the working pressure should not be more than 65% of the maximum scale value for fluctuating pressures or 75% for steady pressures.

Pressure gauges must not be subjected to overload or repeatedly used to the limit of their calibration as the bourdon tube may take a permanent set which will result in an error in pressure indication.

## SPECIFICATIONS

### **Materials of construction:**

Wetted parts: Stainless steel 316  
Case & bezel: Stainless steel 304  
Window: Instrument Glass  
Dial & pointer: Aluminum  
Enclosure rating: IP65

### **Working temperature:**

20°C to 40°C. A shift of up to 10% over 40°C change can be expected.

### **Working mediums:**

Water, air, oil or liquids compatible with stainless steel 316.

### **Standard ranges:**

-10/0/+50Mwg, 0/100Mwg

### **Contacts:**

Number : 2  
Type: 1 X rise to make, 1 X rise to break  
Rating: 0.6A @ 240VAC/24DC  
Connection type: X14K4P

### **Accuracy:**

TRENT SS150C stainless steel pressure gauge with alarm contacts are normally supplied to commercial accuracy laid down in BS1780 which shall be  $\pm 1.00\%$  F.S between 10 to 90% of range and  $\pm 1.50\%$  F.S for the rest of the scale.

### **Options:**

Sealed case with glycerine filled

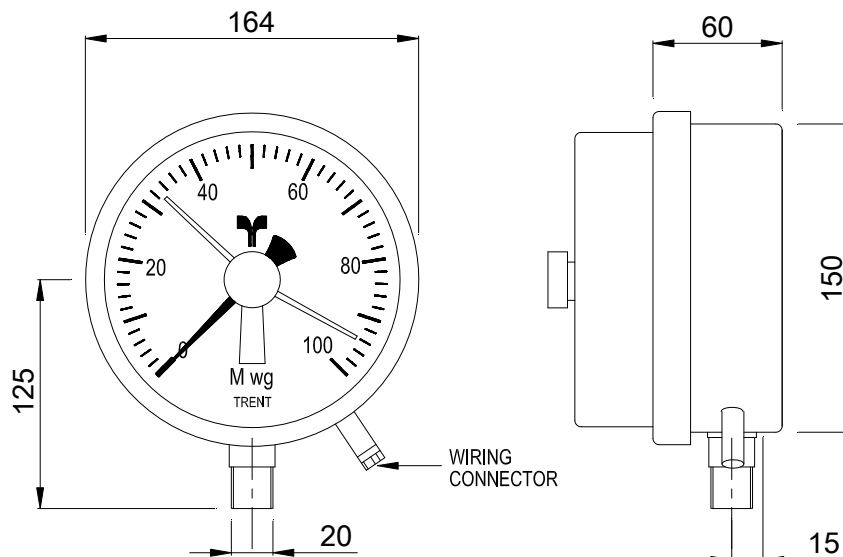
## INSTALLATION

TRENT SS150C stainless pressure gauge with alarm contacts are furnished in direct mounting with  $\frac{1}{2}$ "BSPT bottom connection.

## ACCESSORIES

$\frac{1}{2}$ " BSPT stainless steel snubber  
 $\frac{1}{2}$ "BSPT stainless steel needle valve

## **Dimensions**



All dimensions in mm

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Manufactured for :

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