

BREATHING APPARATUS FILLING STATION MONITOR

S307



Made for your application — designed to fit your needs



S307 FEATURES



COMPACT DESIGN
Makes it easy to fit into the application



SIGNAL INPUTS
Digital and analog input



EASY TO USE
User-friendly design



ALARM RELAY
React if your humidity changes

S307 BENEFITS

- Monitors filling pressure up to 35 MPa
- Monitors humidity of filling air
- Monitors CO level of filling air (option)
- Relay output to stop compressor
- Counts total operating hours and filter operating hours
- Power supply: 100 ... 240 VAC
- Panel mountable (optional wall mountable)
- Customizable: Compressor company logo and service information
- IP65 casing provides robust protection in rough environment
- Pressure, humidity and CO Alarm settings
- Easy sensor replacement by service people

The filling station monitor S307 is used to monitor and control breathing apparatus filling stations in regards of pressure, humidity and CO level. Through programmed alarm settings the display indicates reached limits and activates relays to stop the compressor.

The pressure and humidity sensor are installed into the high pressure pipe. The CO sensor requires a pressure reduction to ambient conditions. The display unit is available in the panel or wall mountable version. Under regular operating conditions the optional CO sensor has a life time of 2 years. Sensors can be easily replaced by service personnel.

The display can be customized in regards of startup screen (company logo) and service contacts.



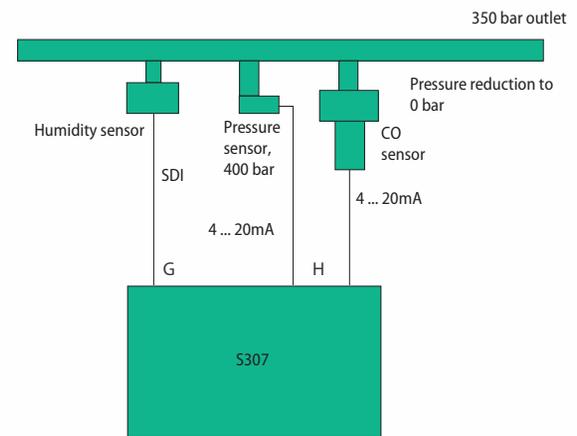
S217-HP

CO Sensor

S307 TECHNICAL DATA

General Specifications	
Response time t90	< 10 sec
Output signal	2 x relay, 240 V / 5 A
Sensor input signals	2 x 4 ... 20 mA and 1 x SDI
Cable glands	4 cable glands for supply and sensor cables
Casing	Panel size: 92 x 92 mm Wall mount size: 118 x 115 x 98 mm Material: ABS
Classification	IP65
EMC	According to IEC 61326-1
Measuring range	Pressure: 0 ... 400 bar Humidity: 0 ... 100 mg/m ³ CO: 0.1 ... 20 ppm
Accuracy	Pressure: 1 % F.S. Humidity: 2 % F.S. CO: 1 ppm
Sensor life time	CO sensor: 2 years
Power supply:	100 ... 240 AC / 10 VA
Medium temperature	-20 ... 50°C
Ambient conditions	0 ... 50°C
Transport temperature	-30 ... +70°C
Max. pressure	35 MPa

S307 SYSTEM OVERVIEW

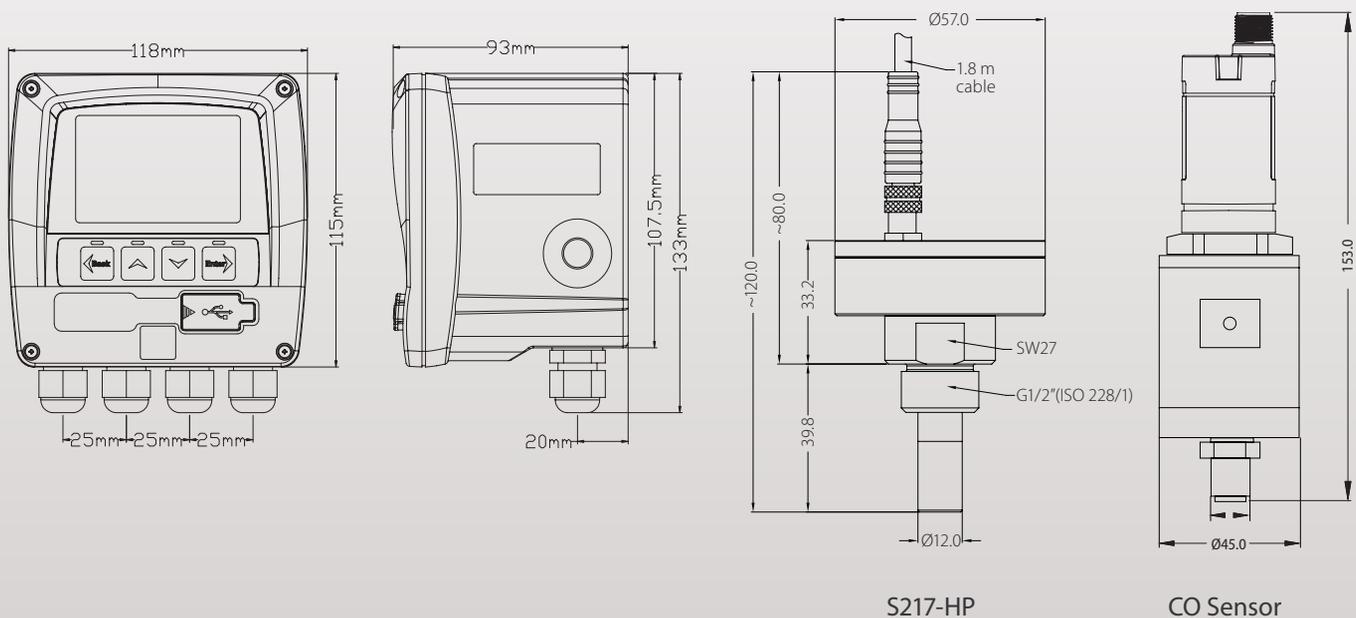


S307 PANEL INSTALLATION



The instrument can be mounted into the compressor casing. The back cover protects against water and dust.

S307 DIMENSIONS



S307 ORDERING

Please use the following table to assist in placing your order with our sales staff.



Visit our website or e-mail us:
www.suto-itec.com
sales@suto-itec.com

S307 Breathing Apparatus Filling Station Monitor	
Order No.	Description
D500 3070	S307, filling station monitor, panel version, 100 ... 240 VAC, 2 relay outputs
0660 0153	S217-HP, humidity sensor, 4 ... 20 mA (3-wire), 0 ... 100 mg/m ³ , G1/2" thread, 350 bar, M8
S604 3071	CO sensor, 0 ... 20 ppm, 4 ... 20 mA, 24 VDC
S694 3560	Pressure sensor, 400 bar, 4 ... 20 mA, 24 VDC, G 1/4" thread
0660 0153-X	Replacement service for the S217-HP humidity sensor
S365 3071	CO sensor cell, 0 ... 20 ppm
A1645	Wall mountable casing with 4 cable glands
A1649	Back cover casing for panel version, 4 cable glands