## **SPP110**



#### **PART NUMBER**

Part number	Model Number	Range		Max pressure	
		kPa	PSI	kPa	PSI
004702020	SPP110-100kPa	0-100	0-14.50	200	29.01
004702040	SPP110-250kPa	0-250	0-36.26	500	72.52
004702060	SPP110-600kPa	0-600	0-87.02	1.200	174.05
004702080	SPP110-1000kPa	0-1000	0-145.04	2.000	290.08
004702100	SPP110-1600kPa	0-1600	0-232.06	3.200	464.12
004702120	SPP110-2500kPa	0-2500	0-362.59	5.000	725.19
004702140	SPP110-4000kPa	0-4000	0-580.15	8.000	1160.30

#### **SPECIFICATIONS**

Max. operating pressure 2 ^ nominal pressure range
Signal output
Power 24 V AC ±10%
15–36 V DC
Accuracy

#### Total of linearity, hysteresis & repeatability . . . . . . . ±0.5 % FS

Zero point residual voltage . . . . . . . < 50 mV Temperature influence

Medium & ambient temperature . . . . . -40 to 105°C (-40 to 221 °F) TC zero point . . . . . . . . . <± 0.02%FS/°K

TC sensivity . . . . . . . . . < ±0.018%FS/°K Load resistance . . . . . . . . > 10 kOhm Current consumption, typical . . . . . . . . . . 15 mA

Ambient temperature

Operation . . . . . . . . -40 to 105°C (-40 to 221°F) Storage .....-40 to 115°C (-40 to 239°F)

Materials

Connection box . . . . . . . . . . . polyamid plastic Mebrane..... stainless steel Weight . . . . . . . . . . . . max. 130 g (0.287 lb.)

Standards

EMC..... EN 50081-1, EN 50082-1

#### Pressure Transmitter Wet Media 0-10 V

SPP110 Pressure transmitters are intended for use in HVAC pipe systems to monitor the pressure.

SPP110 is an electronic pressure transmitter that converts the measured pressure into an electric 0-10 V signal.

SPP110 is delivered with 2 m (6.6 ft) cable and a G1/2 adapter nut.

Medium: any medium suitable with stainless steel.



#### **MOUNTING**

#### Pressure measurement with liquids

The tapping point should be at the side, near the bottom of the pipe. Do not measure the pressure from the top of the pipe (where it may be affected by airlocks) or the bottom (where it may be affected by dirt).

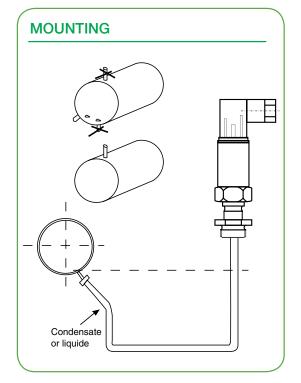
Always evacuate the system.

# Pressure measurement with condensing gases

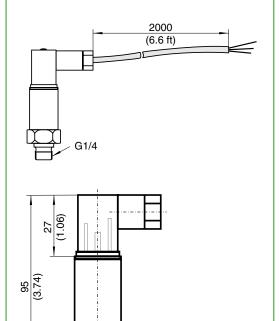
The tapping point should be at the top so that no condensate reaches the sensor.

#### Remote mounting

If the temperature of the medium is lower than -40°C (-40°F) or higher than +105°C (221°F), the sensor should be fitted remotely, taking care that no condensate can reach the sensor.



### **DIMENSIONS** mm (in)



SW22

G1/4 G1/4

G1/2

