



- Piezoresistive pressure sensor
- 24 mm body diameter
- Long-term excellent work
- Stainless steel case
- EMC and reverse polarity protection
- 4...20mA analog output

### TECHNICAL SPECIFICATIONS

<b>Measurement Range</b>	0...10Bar ve 0...16Bar
<b>Measurement Type</b>	Ambient pressure measurement as relative Air, Water, Oil, Non-explosive gases
<b>Working Principle</b>	Piezoresistive
<b>Maximum Compressive Strength</b>	200%F.S. *Can be 3 or 5 times.
<b>Oring – Sealing</b>	Standard NBR, optional FKM(Viton) or EPDM
<b>Output Signal</b>	4...20mA (2-wire)
<b>Load</b>	250Ω
<b>Mechanical Connection</b>	G1/4, NPT1/4
<b>Supply Voltage</b>	8 ... 32 V <sub>DC</sub>
<b>Operating Current</b>	Maximum 30mA
<b>Accuracy</b>	±%0,5 FS @25° C
<b>Total Error Band</b>	±%0,5 FS @-10...+70° C
<b>Long Term Stability</b>	±%0,5 FS / year
<b>Response Time</b>	1ms %10...%90 nominal pressure
<b>Protection Class</b>	IP65
<b>Operating Temperature</b>	-40°C ... +85°C
<b>Ambient Temperature</b>	-40°C ... +85°C
<b>Body</b>	Stainless steel body - 1.4305 (AISI303)
<b>Electrical Connection</b>	Models with connector: DIN43650-A, DIN43650-C, M12 or 3 x 0.14mm <sup>2</sup> PVC cable (optional PUR cable)
<b>Mounting / Tightening Torque</b>	15 ... 20 Nm

FS : Full Scale ( working pressure range )

\* Product life will be shortened when more pressure is given than working pressure  
According to the product, it may be damaged at high pressure of 3-5 times

### Applications

- Pneumatic Systems
- Hydraulic Systems
- Machines Equipments
- Air Cooling – Heating Systems
- Water Technologies
- Automation Applications

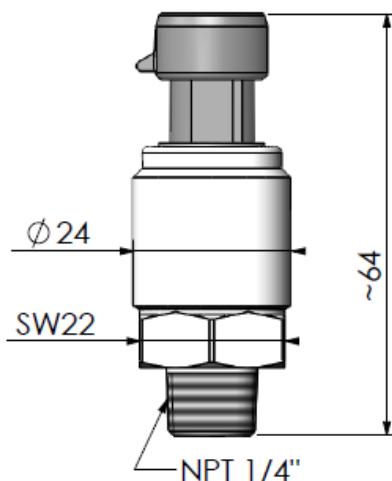
ATEK BLT 22 series Pressure transmitters offer high performance for demanding commercial and heavy industry applications.

Our products with piezoresistive working principle can be used in water, air, oil etc. applications.

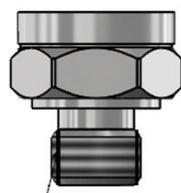
The standard stainless steel housing with IP65 protection can work in harsh environments.

The BLT 22 series, which is not affected by electrical fluctuations and reverse connections due to over voltage and reverse polarity protection, has a long life.

## MECHANICAL DIMENSIONS (mm)



## MECHANICAL CONNECTION OPTIONS



G1/4"

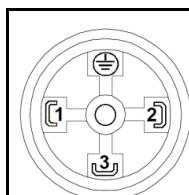


1/4" NPT

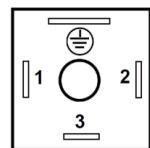
\* Key slot is 22mm.

\*\* Do not turn the product by holding from socket during installation. Otherwise, the product may be damaged.

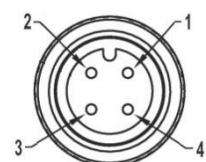
## ELECTRICAL CONNECTIONS



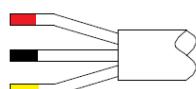
DIN D43650-A



DIN D43650-C



M12



CABLE

CURRENT OUTPUT	+Vcc	PIN NO		PIN NO		COLOR
		S30	S31	S12	S15	
	Analogue Output	2	1	2	1	RED
				1	3	BLACK

\* There are PVC (standard) or PUR (optional) cable options in the model with cable.

## ORDER CODING

### Model

BLT 22

10Bar

A

G1/4

S32

#### Output Signal

A : 4-20mA (2-wire) (standard)

#### Electrical Connection

S30 : DIN43650-A type large type conn.  
S31 : DIN43650-C type small type conn.  
S12 : M12x1 4 pin ( 2 supply 1 out)  
S15 : M12x1 4 pin ( 1 supply 3 out )  
2M : 2 meters cable

#### Working Pressure Range

10Bar : 0...10BAR  
16Bar : 0...16BAR

#### Mechanical Connection

G1/4 : G1/4 connection  
NPT1/4 : NPT1/4 connection

#### Sample Code :

BLT 22 10Bar A NPT1/4 S30

Features : 0...10bar working range , 4-20mA analogue output (2 wire connection), NPT1/4 connection, DIN43650-A connector, stainless 303 body

## BY-PRODUCTS

**BSS Series Pressure Transmitter Coolers**  
Max. 250 °C



**EPA Series Measurement and Control Devices**  
48x48mm model EPA 100  
74x74mm model EPA 200  
96x48mm model EPA 300



Atek Elektronik Sensör Teknolojileri Sanayi ve Ticaret A.Ş.



Gebze OSB, 800. Sokak, No:814 Gebze/KOCAELİ/TÜRKİYE  
Tel: +90 262 673 76 00 Fax: +90 262 673 76 08  
[www.ateksensor.com](http://www.ateksensor.com) [info@ateksensor.com](mailto:info@ateksensor.com)