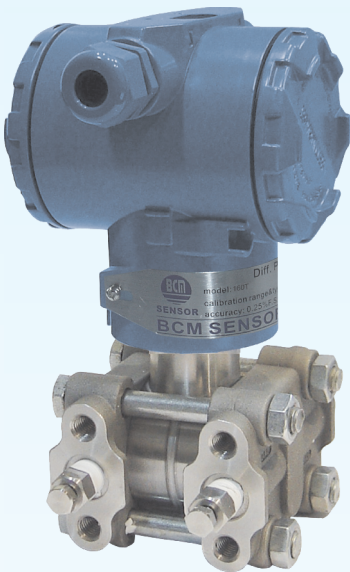


# Model 160T Differential Pressure Transmitters

Based on silicon piezoresistive technology, 160T differential pressure transmitters are made from BCM 160M multifunctional differential pressure modules. Model 160T offers an easy solution for measuring differential pressure and system (also called line, static) pressure at the same time. The medium temperature measurement function is available on request.

Featuring a full stainless steel housing, 316L SS isolating diaphragm and standard assembly ports, the 160T differential pressure transmitters provide a reliable solution for differential pressure measurements in rugged industrial applications.

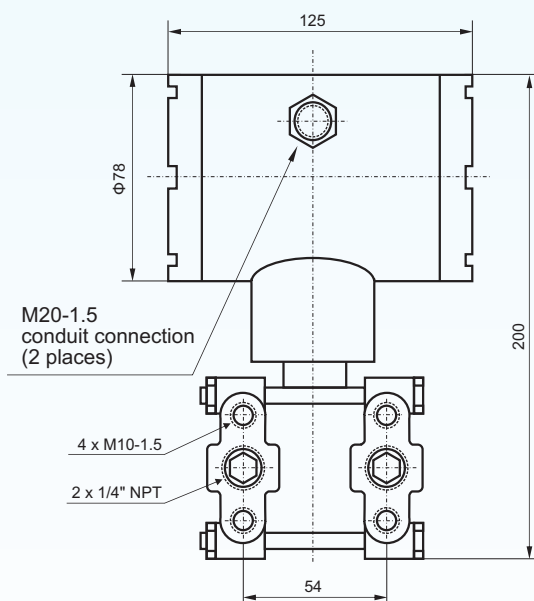
The differential measuring range of 160T transmitters spans from 0~0.4 bar to 0~10 bar. These transmitters can operate under a system (line or static) pressure of 40 bar. The output signal of 160T transmitters provide is 4~20 mA with HART protocol. They are also equipped with a configurable 4½ digits LCD display. The measuring accuracy of 160T is up to 0.2 %fso (fso = full scale output).



## Features:

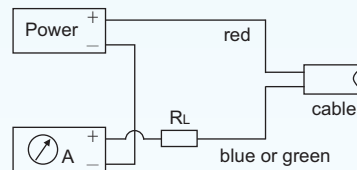
- **measure diff. and system pressure at the same time**
- **temperature measurement: option on request**
- **diff. pressure ranges: 0~0.4, ..., 0~10 bar**
- **line pressure: 40 bar**
- **output signals: 4~20 mA with HART protocol**
- **display: 4½ digits LCD display**
- **Z & S adjustability: Zero and Span adjustment available inside**
- **accuracy: 0.2 %fso (standard)**
- **materials: 316L SS (isolating diaphragm); 316 SS (flanges)**
- **construction: rigid, welded encapsulation**

## Dimensions:

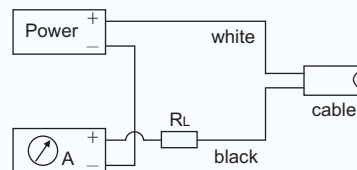


## Electric connections:

for diff. pressure:



for system pressure:



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# Model 160T Differential Pressure Transmitters



## Specifications:

parameters	unit	specification
pressure media		gases, oils or dilute liquids which are compatible with the materials of pressure diaphragm and flange
differential (diff.) pressure ranges	bar	0~0.4, ~1, ~4, ~10
diff. overload pressure	bar	40
system pressure	bar	40
output signal		4~20 mA with HART protocol
accuracy*	%fso	± 0.2 (standard), ± 0.5
system pressure effect on diff. pressure	%fso/bar	± 0.01
long-term stability of zero	%fso/year	± 0.2
life time	cycle	10 <sup>8</sup>
response time	ms	<2
power supply	Vdc	24 (recommended), 12, ..., 36
load resistance	Ω	250~1150
storage temperature range	°C	-40 ~ +90
operating temperature range**	°C	-30 ~ +80
compensated temperature range	°C	0 ~ +70
temperature coefficient of SPAN	%fso/°C	± 0.03
temperature coefficient of ZERO	%fso/°C	± 0.03
process connection	thread	1/4" NPT (female)
electrical connection	inner thread	M20x1.5 (standard), 1/2 NPT
materials	membrane	316L SS
	flange	316 SS
	housing for electronics	casting aluminum
environment protection	IP rating	IP 66
display		4½ LCD digital meter
net weight	gram	4000

The listed specifications and dimensions are subject to change without prior notice.

\*: For diff. pressure of 0.4 bar, the standard accuracy is 0.5 %fso.

\*\* : Medium temperature measurement function can be provided on request.

**How to order:** model-diff. range-accuracy-output-process connection-electrical connection-customized requests (if any)  
**ordering code** example: 160T-0/10barD-0.25%fso-4/20mA with HART-1/4"NPT-M20x1.5



**BCM SENSOR TECHNOLOGIES BVBA**

ISO9001 Certified Company

Industriepark, Brechtsebaan 2  
 B-2900 Schoten - Antwerpen, BELGIUM

Tel.: +32-3-238 6469  
 Fax: +32-3-238 4171

website: [www.bcmsensor.com](http://www.bcmsensor.com)  
 email: [sales@bcmsensor.com](mailto:sales@bcmsensor.com)