3500 SYSTEM

Product Data Sheet

165855-11

Armored Cylinder Pressure Transducer

ABSOLUTE PRESSURE RANGE	CABLE PROTECTION	MOUNTING THREAD	SUPPLY VOLTAGE
0 to 6.8 bar (0 to 100 psia)	**Armored**	**7/8-14 UNF**	**18 to 30 V DC**

Bently Nevada 165855-11 measures cyclic absolute pressure in reciprocating compressor cylinders. This armored 100 psia variant connects to the 3500/77M Cylinder Pressure Monitor through a separately selected 146824 cable.

01 TECHNICAL DATA

Absolute pressure range	0 to 6.8 bar (0 to 100 psia)
Cable protection	Armored
Mounting thread	7/8-14 UNF
Supply voltage	18 to 30 V DC
Maximum current draw	Less than 15 mA
Full-scale output	10 +/-0.3 V DC
Zero-pressure output	0.5 +/-0.1 V DC
Frequency response	0 to 5500 Hz +/-1 dB
Proof pressure	1.5 times full scale
Burst pressure	3 times full scale

Bently Nevada 166815 Rev. L p. 5 and Rev. M pp. 1-4, 7

02 ADDITIONAL PRODUCT DATA

Compensated temperature range	-40 to +85 degrees C
Sensor head operating temperature	-40 to +150 degrees C
Electronics cable length	1 m
Combined linearity hysteresis and repeatability	Within +/-0.3% full scale
Mating port standard	SAE J1926

03 PRODUCT FUNCTION

A 1 m integral lead separates the sensing head from the electronics. The transducer operates from 18 to 30 V DC and produces a nominal 0.5 V DC at zero pressure and 10 V DC at full scale. The sensing head uses a 7/8-14 UNF mount for an SAE J1926 mating port.

04 SYSTEM COMPATIBILITY

Match the 100 psia range, armored lead and individual compensation data to the 3500/77M channel.

05 REFERENCE

Bently Nevada 166815 Rev. L p. 5 and Rev. M pp. 1-4, 7

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**