Installation Manual

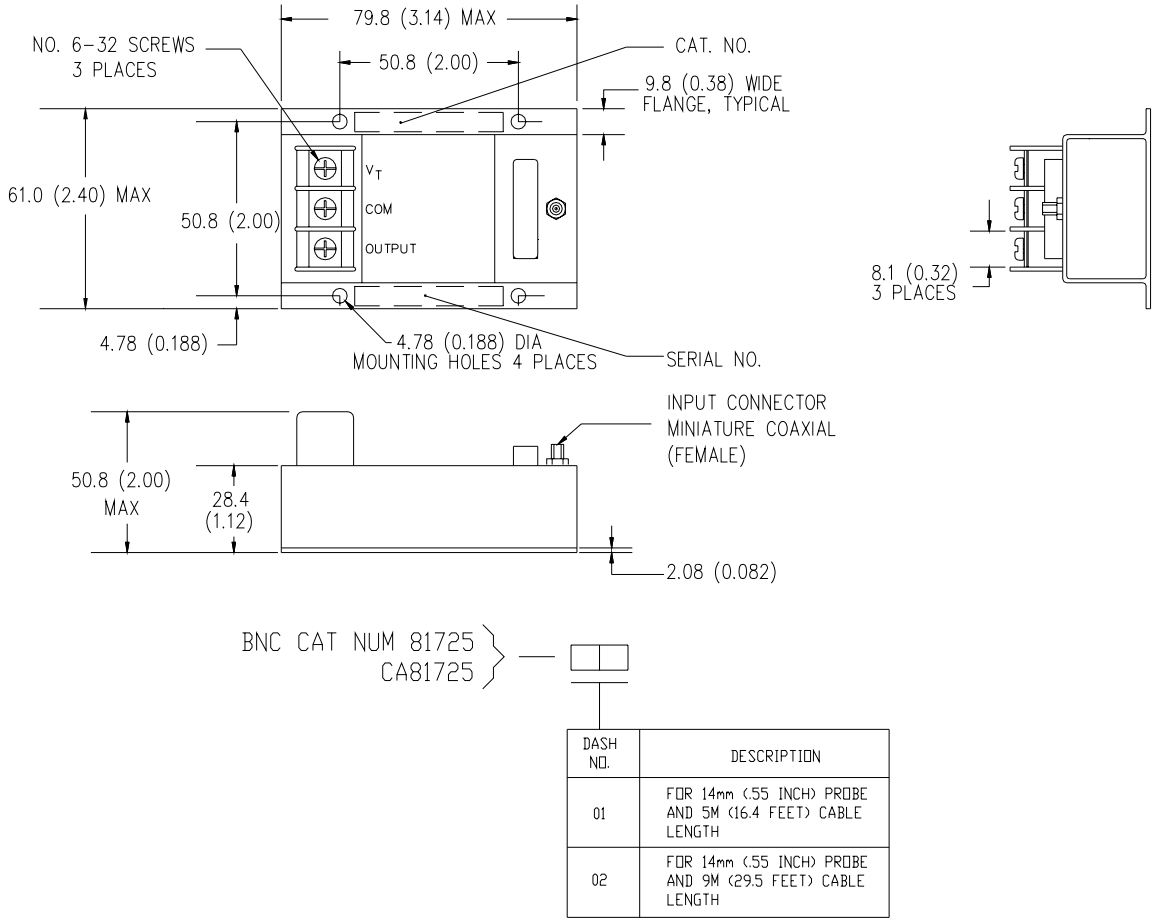
Bently Nevada™ Asset Condition Monitoring

14 mm Proximity Transducer System 7200 Series

Part Number 74756-01
Rev. G (07/07)



imagination at work



DASH NO.	DESCRIPTION
01	FOR 14mm (.55 INCH) PROBE AND 5M (16.4 FEET) CABLE LENGTH
02	FOR 14mm (.55 INCH) PROBE AND 9M (29.5 FEET) CABLE LENGTH

Figure A-2. 14mm Proximitor Ordering Information

14 MM PROXIMITORS

The following specifications apply at 72°F (22°C) with AISI E4140 steel target and when test equipment is used with accuracy as specified by BNC Specification 150980.

A. Calibration Range	160 mils (4.06 mm) beginning at -2.0 Vdc -- approximately 20 to 180 mils (0.51 to 4.57 mm)
B. Interchangeability Error	
1. Average Scale Factor Change	
Typical (90%)	Less than 2.0 mV/mil (79 mV/mm)
Worst Case (99.7%)	Less than 4.0 mV/mil (157 mV/mm)
2. Voltage Change (Maximum)	
At midrange, 100 mils (2.54 mm)	1. 4 Vdc
Near beginning of range, 20 mils (0.51 mm)	0. 9 Vdc
C. Supply Sensitivity	See Appendix C, Figure C-5
D. Supply Voltage Range	-18 Vdc to -24 Vdc
E. Current Draw	13 mA max with 10k ohm load 24 mA max with output shorted
F. Output Resistance	50 ohms
G. Short Circuit Duration	Continuous
H. Output Load	Calibrated into a 10k ohm resistive load
I. Frequency / Phase Response	See Appendix C, Figures C-6 and C-7