Bently Nevada 9200 Series Service Manual

9200-01-50-09-04

1. Description

Part Number: 9200-01-50-09-04

3. Product Information

Part Number: 9200-01-50-09-04

Model: Two-Wire Velocity Seismoprobe Transducer

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

Ordering Information

Model 9200= Two-wire Transducer

Transducer Mounting Angle/Minimum Operating Frequency Option 01 = 0 ±2.5, 4.5 Hz (270 cpm)

Connector/Cable Option

50 = 50 feet (15.2 meter)

Mounting Base Option 09= Isolated circular 5/8-18 UNF stud

Agency Approval Option 04= ATEX/IECEx

Sensitivity

20 mV/mm/s (500 mV/in/s),

±5% when properly terminated

and oriented at the angle of

calibration.

Calibration

Load

10 kΩ Terminal "A" to "B" Output

taken across pins "A" and "B"

Sensitivity

Temperature

Coefficient

0.2%/°C

Dynamic

operating

range

2.54 mm (0.100 in) peak to

peak maximum displacement.

Velocity

Range

25 mm/s (1 in/s) (at +22 °C of

casing vibration at 100 Hz with

a 10 kΩ load.

Coil

Resistance 1.25 kΩ ±5%

Locked Coil

Inductance 125 mH, typical

Operating

and Storage

Temperature:

9200: -29°C to +121°C

(-20°F to +250°F).

74712: -29°C to +204°C

(-20°F to +400°F).

Environment

Dust and moisture resistant.

Relative

Humidity

To 95%, noncondensing.

100%, non-submerged, when

ordered with integral cable.

Case and

Adapter

Material

Anodized aluminum A204

Gasket

Material

9200: Neoprene

Height

102 mm (4 in) typical

(depending on connector

option).

Diameter 41 mm (1.6 in) typical.

Weight

9200

= 300 grams (10.5

ounces) typical.