

## Compliance and Certifications

### FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

### EMC

European Community Directive:

EMC Directive 2014/30/EU

Standards

EN 61326-1; Immunity/emission for Industrial Environments

### RoHS

European Community Directive:

RoHS Directive 2011/65/EU

### China RoHS

Cables associated with the product(s) mentioned in this datasheet have an EFUP designation of 15 years, in accordance with SJ/T 11364-2024.



## Hazardous Area Approvals



For the detailed listing of country and product-specific approvals, refer to the [Approvals Quick Reference Guide \(108M1756\)](#).

For additional technical documentation, please log in to [bntechsupport.com](http://bntechsupport.com) and access the Bently Nevada Media Library.

### 74712 and 9200

#### cNRTLus

Class I, Division 1, Groups A, B, C and D T6;  
Class II, Division 1, Groups E, F and G;

Class III:

Ex ia IIC T6 Ga;

Class I, Zone 0, AEx ia IIC T6 Ga;

Ex ec IIC T6 Gc;

Class I, Zone 2, AEx ex IIC T6 Gc

For Ex/AEx ia:

$$U_i = 28 V_{DC}$$

$$I_i = 16 \text{ mA}$$

$$P_i = 1.0 \text{ W}$$

$$C_i = 0$$

$$L/R_i = 110 \mu\text{H}/\Omega$$

$$L_i = 131.25 \text{ mH}$$

For EX/AEx ec:

$$V = 24 V_{DC}$$

$$I = 24 \text{ mA}$$



This sensor may only be powered by a power supply unit with a limited energy electric circuit in accordance with CAN/CSA C22.2 No. 61010-1-12 and ANSI/UL 61010-1, or Class 2 as defined in the Canadian Electrical Code C22.1, Section 16-200 and/or National Electrical Code (NFPA 70), article 725.121.

## ATEX/IECEx

II 3G

II 1G



Ex ia IIC T6 Ga

Ex ec IIC T6 Gc

T6, Tamb = -20°C to +40°C

## Ordering Information



For the detailed listing of country and product specific approvals, refer to the Approvals Quick Reference Guide (document 108M1756) at Bently.com.



An isolated base ('06' thru '09', or '11', '12' in Mounting Base Option) is required when '04' Agency Approval Option is selected.

## Two-wire Transducer

### 9200-AA-BB-CC-DD

#### A: Transducer Mounting Angle/Minimum Operating Frequency Option

<b>01</b>	0 ±2.5, 4.5 Hz (270 cpm)
<b>02</b>	45 ±2.5, 4.5 Hz (270 cpm)
<b>03</b>	90 ±2.5, 4.5 Hz (270 cpm)
<b>06</b>	0 ±100, 10 Hz (600 cpm)
<b>09</b>	0 ±180, 15 Hz (900 cpm)

#### B: Connector/Cable Option

<b>01</b>	Top Mount (no cable)
<b>02</b>	Side Mount (no cable)
<b>05</b>	Terminal block top mount (no cable)

#### 10 through 50

Integral hardline cable (see Figure 7 for example). Option number corresponds to cable length in feet. Standard cable lengths are shown below. Other cable lengths between 7 feet and 50 feet may be available through custom products. When ordering for hazardous area

<b>10</b>	10 feet (3.0 meter)
<b>15</b>	15 feet (4.6 meter)

<b>22</b>	22 feet (6.7 meter)
<b>32</b>	32 feet (9.8 meter)
<b>50</b>	50 feet (15.2 meter)

#### C: Mounting Base Option

<b>01</b>	Circular; 1/4-20 UNC stud
<b>02</b>	Circular; 1/4-28 UNF stud
<b>03</b>	Rectangular flange
<b>04</b>	Circular; with three 8-32 threaded studs on a 44 mm (1.75 in) diameter bolt circle
<b>05</b>	No base; 1/2-20 UNF-3A stud
<b>06</b>	Isolated circular 1/4-20 UNC stud
<b>07</b>	Isolated circular 1/4-28 UNF stud
<b>08</b>	Isolated rectangular flange
<b>09</b>	Isolated circular 5/8-18 UNF stud
<b>10</b>	Circular; M10X1 stud
<b>11</b>	Isolated circular M10X1
<b>12</b>	Isolated circular 1/2-20 UNF-2A

#### D: Agency Approval Option

<b>00</b>	No Approvals
<b>01</b>	CSA
<b>04</b>	ATEX/IECEX