MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official pages for procurement and maintenance review

PRODUCT BRAND

Bently Nevada

PRODUCT MODEL

CB2W100-032

CB2W100-032 - Vibration sensor signal cable
Selected manufacturer pages; verify exact configuration.

OFFICIAL SOURCE

Datasheet 105M0340 Rev. AD

Open current manufacturer source

AMIKON PRODUCT SUPPORT

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AMIKONG.COM

Amikon Limited prepared this independent reference package. Selected manufacturer pages follow with their original content and pagination visible.

2300/20 and 2300/25 2300 Vibration Monitors

Datasheet

Cordant™

105M0340 Rev. AD



Description

The Bently Nevada™ 2300 Vibration Monitors provide cost-effective continuous vibration monitoring and protection capabilities for less critical and spared machinery. They are specifically designed to continuously monitor and protect essential medium to low criticality machinery in a wide range of industries including: oil & gas, power generation, water treatment, pulp and paper, manufacturing, mining, cement, and other industries.

The 2300 Vibration Monitors deliver vibration monitoring and high vibration level alarming. They include two channels of seismic or proximity measurement inputs from various accelerometer, Velomitor and Proximitor types, a speed input channel for time-synchronous measurements, and outputs for relay contacts. The 2300/20 monitor features a configurable 4-20 mA output which interfaces more points to a DCS. The 2300/25 monitor features System 1 Classic connectivity for Trendmaster SPA interface which enables users to leverage existing DSM SPA infrastructure.

The 2300 Vibration Monitors are designed for using on a broad range of machine trains or individual casings where the sensor point count fits the monitor's channel count and where advanced signal processing is desired.

Baker Hughes

Proximity Transducer System

Refer to the following proximity transducer system datasheets for details.

172036	3300 5mm
141194	3300 XL 8mm
146256	3300 XL 11mm
147385	3300 XL NSV

02120015	Bulk Cable from Proximity sensor to monitor (500 ft.)

9571-AA[2]	Low cost cable for accelerometer
A: From "02" to "99" Increments of 1.0 foot	
	INCREMENTS OF 1.0 FOOT EXAMPLE: 1 2 = 12 FEET 2 5 = 25 FEET MIN LENGTH = 2.0 FEET MAX LENGTH = 99 FEET (6)

84661-AA[2]	Armored cable for 2 -wire transducer
A: From "03" to "99" Increments of 1.0 foot	
	INCREMENTS OF 1.0 FOOT EXAMPLE: 1 2 = 12 FEET 2 5 = 25 FEET MIN LENGTH = 3.0 FEET MAX LENGTH = 99 FEET

CB2W100-AAA	Cable for 2-wire transducer

The CB2W100 cable is not recommended for use with the 200350 Accelerometer. The O-ring will not form a proper seal with the accelerometer.

A: Cable Length	
015	15 ft. (4.8 m)
032	32 ft. (9.8 m)
064	64 ft. (19.5 m)
112	112 ft. (34.1 m)
125	125 ft. (38.1 m)
150	150 ft. (45.7 m)
200	200 ft. (61.0 m)
250	250 ft. (76.2 m)

[2] Cable lengths greater than 30 meters (100 feet) will experience some attenuation of amplitudes at higher frequencies when using the AM3100T2-Z2 Accelerometer.

Splash Proof Cable for 2-wire transducer

9571 Mod : 285031-AA[2]

Cable for 2-wire extension with Splash Proof Connection. This cable assembly provides an equivalent IP66 level of protection.

A: Cable Lengths	
16	16 ft. (4.8 m)
32	32 ft. (9.8 m)
64	64 ft. (19.5 m)