

BENTLY NEVADA 3300 XL 8 MM TRANSDUCER SYSTEMS

Product Data Sheet

330180-X1-05 MOD: 143416-02

3300 XL Proximitor sensor

FUNCTION	FAMILY	ORIGIN	WEIGHT
3300 XL Proximitor sensor	Bently Nevada 3300 XL 8	United States	0.30 kg

3300 XL 8mm Proximity Transducer 330180-X1-05 MOD: 143416-02 is a 3300 XL Proximitor sensor for the Bently Nevada 3300 XL 8 mm transducer systems. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Exact Article Code	330180-X1-05 MOD: 143416-02
Product Class	3300 XI Proximitor Sensor
Product Family	Bently Nevada 3300 XL 8 mm transducer systems
System Family	3300 XL 8 mm
Total System Length	5 m or 9 m by X1 option
Scale Factor	7.87 V/mm nominal
Linear Range	2.0 mm typical
Frequency Response	0 to 10 kHz
Supply Voltage	-17.5 to -26 V DC
Output Impedance	50 ohm

ADDITIONAL PRODUCT DATA

Probe Compatibility	3300 XL 8 mm probes
Extension Cable	3300 XL matched cable
Approval Modification	MOD 143416-02

OFFICIAL APPLICATIONS

- Integrate motor-pump alignment with 3300 XI process control: At the control layer of the couplings, motor bearings and pump housings, 330180-X1-05 MOD: 143416-02 serves its documented function as a 3300 XL Proximity sensor. During post-overhaul run, the system uses this function to evaluate coupled-machine vibration at operating speed, helping it confirm the train returns to its reference condition.
- Stabilize pipeline-pump diagnostics with 3300 XI: For the coordinated operation of the pump shafts, bearings and driver trains, 330180-X1-05 MOD: 143416-02 performs its assigned control role as a 3300 XL Proximity sensor. During pump switchover, the system uses this function to compare pump-train response before and after transfer, helping it confirm the standby train has accepted the duty.
- Sequence conveyor-drive diagnostics with 3300 XI: For the coordinated operation of the gearboxes, pulley bearings and drive motors, 330180-X1-05 MOD: 143416-02 operates in its approved product-family role as a 3300 XL Proximity sensor. During loaded belt start, the system uses this function to compare drive-train signals through acceleration, helping it identify developing gearbox or alignment behavior.

SYSTEM COMPATIBILITY

Match 330180-X1-05 MOD: 143416-02 to the installed Bently Nevada 3300 XL 8 mm transducer systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada official product documentation and manufacturer catalog](#)

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM