

# 330980-70-05

## 3300 XL NSv Proximitior Sensor

Bently Nevada 330980-70-05 is a 3300 xl nsv proximitior sensor in the 3300 XL NSv Proximity Transducer System. Its complete ordering code identifies the installed mechanical, cable, connector and approval configuration.

|        |                                         |           |                       |
|--------|-----------------------------------------|-----------|-----------------------|
| BRAND  | Bently Nevada                           | ORIGIN    | USA                   |
| MODEL  | 330980-70-05                            | HS CODE   | 8537101190            |
| FAMILY | 3300 XL NSv Proximity Transducer System | SHIP FROM | Xiamen, Fujian, China |

MANUFACTURER SOURCE RECORD

3300 XL NSv Proximity Transducer System Datasheet  
Baker Hughes publication 147385 Rev. R

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330980-70-05

# Product Overview

## SYSTEM FUNCTION

Bently Nevada 330980-70-05 is a 3300 xl nsv proximito sensor in the 3300 XL NSv Proximity Transducer System. Its complete ordering code identifies the installed mechanical, cable, connector and approval configuration.

## FUNCTION 1

7.0 m NSv system calibration

## FUNCTION 2

Panel-mount sensor package

## FUNCTION 3

Multiple-approval option

## FUNCTION 4

Matched 3300 RAM or NSv input

## TECHNICAL NOTE

Install 330980-70-05 only with the matched 3300 XL NSv Proximity Transducer System components. Use a probe and extension-cable combination whose total electrical length is exactly 7.0 m. Record the marking, channel, cable route and target before work, then prove gap voltage and dynamic response before release.

# Technical Data and Acceptance

| PARAMETER              | VERIFIED VALUE                                     |
|------------------------|----------------------------------------------------|
| Component              | Proximitior Sensor                                 |
| System length          | 7.0 m                                              |
| Mounting               | Panel mount                                        |
| Agency approval        | Multiple approvals                                 |
| Sensor input           | One 3300 RAM or 3300 NSv probe and extension cable |
| Power without barriers | -17.5 to -26 V DC; 12 mA maximum                   |
| Power with barriers    | -23 to -26 V DC                                    |

## ENGINEERING BOUNDARY

Install 330980-70-05 only with the matched 3300 XL NSv Proximity Transducer System components. Use a probe and extension-cable combination whose total electrical length is exactly 7.0 m. Record the marking, channel, cable route and target before work, then prove gap voltage and dynamic response before release.

## Acceptance Path

### 1 IDENTITY

330980-70-05 marking recorded

### 2 MATCHED SYSTEM

3300 XL NSv Proximity Transducer System components confirmed

### 3 GAP

Static operating point accepted

### 4 FUNCTIONAL PROOF

Dynamic response and channel test passed

# Applications and Engineering FAQ

| APPLICATION                      | ENGINEERING CONTEXT                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| Radial vibration measurement     | Observes shaft-to-probe motion in a matched proximity transducer loop.                           |
| Axial position monitoring        | Measures controlled thrust or position displacement where the installation geometry is approved. |
| Keyphasor reference              | Supports phase-reference or speed measurement under the manufacturer application guidance.       |
| Machinery protection maintenance | Restores the exact documented component configuration during controlled service work.            |

## Model-Specific FAQ — Part 1

| QUESTION                                                            | ANSWER                                                                           |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------|
| What product family must be matched with 330980-70-05?              | Use only components from the documented 3300 XL NSv Proximity Transducer System. |
| Which order-code identity must be recorded for 330980-70-05?        | Record the complete code, not only the base series number.                       |
| What target condition must be verified before gapping 330980-70-05? | Verify material, surface geometry and the approved measurement location.         |
| What must be preserved before removing 330980-70-05?                | Record gap voltage, channel configuration, cable route and connector condition.  |

## FAQ, Related Products and Source

| QUESTION                                                           | ANSWER                                                                                               |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| May its cable be shortened or spliced in service for 330980-70-05? | No unapproved shortening or splicing should be used; maintain the documented system length.          |
| How should the coaxial connection be protected on 330980-70-05?    | Keep it clean, dry and protected with the documented connector arrangement.                          |
| What commissioning checks are required for 330980-70-05?           | Verify identity, continuity, gap voltage, dynamic response and monitor-channel diagnostics.          |
| What evidence should be retained after installing 330980-70-05?    | Retain the order code, installed position, mating components, gap value and functional-test results. |

### Related Products on Apter Power

| MODEL                                 | APTER POWER PAGE                  |
|---------------------------------------|-----------------------------------|
| Bently Nevada 139554-01               | <a href="#">Open product page</a> |
| Bently Nevada 140471-02               | <a href="#">Open product page</a> |
| Bently Nevada 140482-01               | <a href="#">Open product page</a> |
| Bently Nevada 143493-00-080-040-50-00 | <a href="#">Open product page</a> |
| Bently Nevada 143729-01               | <a href="#">Open product page</a> |
| Bently Nevada 144181-51               | <a href="#">Open product page</a> |
| Bently Nevada 144181-51-05            | <a href="#">Open product page</a> |
| Bently Nevada 146054-034-20-02-05     | <a href="#">Open product page</a> |

### MANUFACTURER SOURCE RECORD

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