Bently Nevada Service Manual

330186-02

1. Description

Part Number: 330186-02

3. Product Information

Part Number: 330186-02

Model:3300 XL Precision Micrometer

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

330186-02 Ordering Information

330186: 3300 XL Shaft Micrometer

Scale Units:-02=Micrometer in English units (0-1 in)

Note: The 3300 shaft
micrometer and precision
micrometer come with probe
mounting adapters for 14 inch,
3
/8 inch, Vi inch, 5
/8 inch, M8,
M10, M14 and M16 probe
thread sizes.

Part number

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Resolution

0.01 mm

Accuracy

±0.003 mm

Range

0-25 mm

Mechanical

Target Buttons:

AISI 4140 Alloy Steel, 30.5 mm
(1.20 in) diameter flat target

Note: Contact your nearest Sales
Professional for details on special
target materials.

Casing Material:

3300 XL
Precision
Micrometer:

Fiberglass and Plastic.

3300 XL Shaft
Micrometer:

ABS Plastic.

3300 XL Shaft
Micrometer
(case
dimensions)

Height:

152 mm (6.0 in)

Width:

246 mm (9.7 in)

Length:

356 mm (14.0 in)

Total System
Weight

3300 XL Shaft
Micrometer:

2.8 kg (6.2 lb)

The 3300 XL Precision Micrometer

The 3300 XL Precision Micrometer is ideal for performing acceptance testing on transducer systems to the transducer's performance specifications or to the American Petroleum Institute's Standard API 670.

Bently Nevada transducer systems are all manufactured to meet published performance specifications. They have a specified linear range, average scale factor (ASF) and incremental scale factor (ISF). Transducer systems have maximum deviation from straight line (DSL) and ISF tolerances, both at ambient temperatures and for extended temperatures. The 3300 XL Precision Micrometer can help verify whether the transducer system is working properly and within published specifications.

A precision micrometer checks the transducer system. A probe mounting adapter holds the probe while a high precision 4140 target button is moved toward or away from the probe tip in specific increments. This target button simulates the position of the shaft. The output from the Proximitor® Sensor is recorded using a voltmeter. You can then verify the operating condition of the transducer system by comparing a newly generated probe curve using the 3300 XL Precision Micrometer with published specifications for that transducer system. You can also check and verify the proper operation of shaft position monitors using this micrometer.