Bently Nevada Service Manual

330185-01

1. Description

Part Number: 330185-01

3. Product Information

Part Number: 330185-01

Model:3300 XL Precision Micrometer

Manufacturer: Bently Nevada

Condition: New & Original in Factory Packing

Factory Warranty: 12 Months

330185-01 Ordering Information

330185: 3300 XL Precision Micrometer

Scale Units:-01=Micrometer in English units (0-1 in)

Part number

330185-01

Resolution

0.000020 in

Accuracy

+ 0.000015 in

Range

0-1 in

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.

Size

3300 XL

Precision

Micrometer

(case

dimensions)

Height:

226 mm (8.9 in)

Width:

274 mm (10.8 in)

Length:

356 mm (14.0 in)

3300 XL

Precision

Micrometer:

6.8 kg (14.5 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.