Bently Nevada 21022 Series Service Manual

21022-28-10-XXX-02 MOD 17480-122

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 21022-28-10-XXX-02 MOD 17480-122

Product Type : Dual Axial Probe Housing Assembly

Made in U.S.A

Probe Option, with Connector: 28 =3300 XL 8 mm probe, Multiple approvals

Probe Cable Length Option 10= 1.0 metre (39 in)

Probe Penetration Option XXX=Probe Penetration Length

Probe penetration dimensions

greater than 305 mm (12 in)

require additional sleeve support

near the probe to prevent a

resonance from occurring.

Sleeve adjustment range is ±13

mm (±0.5 in).

Order in increments of 0.1 in (2.54

mm) for 21022; for UK0104, order

in increments of 0.5 in (13 mm).

For penetration lengths between 1.0

and 2.0 inches, counter-bore may

be required in machine case to

reduce probe side view and/or

rearview effects.

Fittings Option 02= Two 3/4-14 NPT fittings; two 3/4-14 NPT

plugs

Fittings option are supplied as a kit and are not installed when the housing is shipped.

The 21022 Dual Axial Probe Housing Assembly consists of two

proximity probes installed in an externally mounted

protective enclosure. It is intended for mounting on the end of

a machine nearest the thrust bearing to allow both probes to

observe the end of the shaft for axial thrust position

movement. The enclosure mounts on the machine case

using four standard machine screws. The probes are

mounted in sleeve/adapter assemblies, which are installed

directly onto the machine case through two 3/4-in NPT

threaded holes.

The dual axial position housing meets the American

Petroleum Institute’s (API) 670 Standard for axial thrust

position transducer housings. The external mounting allows

probe adjustments from outside the machine, while

protecting the proximity probes, probe leads, and extension

cables from dust, splashing liquid, or other environmental

factors. A removable cover on the enclosure provides access

for setting the probe gaps.

21022

Aluminum alloy housing (sand cast,

0.3% copper free) with sleeves fabricated

from 304 stainless steel

3.6 kg (8 lb)