

146055-10-02-00

3300 Reverse-Mount Ceramic-Capped Probe

Bently Nevada 146055-10-02-00 is a reverse-mount ceramic-capped probe with 3/8-24 UNF threads and 1.0 m standard cable. Its sealed front interface is designed for installations exposed to corrosive media at the front of the case.

ORDER-CODE DETAIL	VERIFIED VALUE
Base model	146055
Mounting	Reverse mount
Mounting thread	3/8-24 UNF
Total probe length	1.0 m

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	Bently Nevada 3300 Ceramic Capped Probe System
Part number	146055-10-02-00
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 146055-10-02-00 only in the documented Bently Nevada 3300 Ceramic Capped Probe System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting measurement through a front-sealed reverse-mount ceramic probe under controlled conditions.

System Role and Architecture

Bently Nevada 146055-10-02-00 is a reverse-mount ceramic-capped probe with 3/8-24 UNF threads and 1.0 m standard cable. Its sealed front interface is designed for installations exposed to corrosive media at the front of the case.

FUNCTION 1
Exact article identity 146055-10-02-00

FUNCTION 2
3300 Reverse-Mount Ceramic-Capped Probe

FUNCTION 3
Documented role: non-contacting measurement through a front-sealed reverse-mount ceramic probe

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
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3	Bently Nevada 330104-04-09-10-01-05	4
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7	Bently Nevada 330702-00-25-10-11-05	8
8	Bently Nevada 330881-16-11-165-07-02	9
9	Bently Nevada 330880-16-00-021-03-02	

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	Bently Nevada 3300 Ceramic Capped Probe System
02	Matched Bently Nevada host module, Proximitor Sensor or rack position
03	Documented wiring, cable route, connectors, shields and grounding
04	Approved configuration and controlled acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	Bently Nevada 3300 Ceramic Capped Probe System
Interface role	non-contacting measurement through a front-sealed reverse-mount ceramic probe
Field / power context	documented machinery-monitoring rack or matched transducer-loop position
Commissioning evidence	Identity, interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete 146055-10-02-00 marking, product role and documented installation position.
- 2

Place the machinery protection system and connected process in the approved maintenance state.
- 3

Isolate power and field circuits, prove the safe state and apply ESD controls where required.
- 4

Record every mating component, terminal, connector, shield, cable route and configuration assignment.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Base model	146055	Probe tip	Alumina ceramic
Mounting	Reverse mount	Case	AISI 304 stainless steel
Mounting thread	3/8-24 UNF	Probe cable impedance	75 ohm
Total probe length	1.0 m	1 m probe DC resistance	7.59 +/- 0.50 ohm
Connector	Miniature coaxial ClickLoc	System linear range	1.52 mm
Cable	Standard FEP-insulated coaxial	Recommended gap	1.0 mm
Armor	Not available	Front seal pressure	34 bar nitrogen
Connector protector	Not available	Probe temperature range	-51 to +177 C
Approval option	Not required	Suitable housings	31000 or 21000

RELATED PRODUCT PAGES		
1 Bently Nevada 330103-00-13-50-12-00	2 Bently Nevada 330101-00-16-10-11-00	3 Bently Nevada 330104-04-09-10-01-05
4 Bently Nevada 330104-00-09-10-01-00	5 Bently Nevada 330902-00-90-10-01-05	6 Bently Nevada 330102-00-52-10-01-05
7 Bently Nevada 330702-00-25-10-11-05	8 Bently Nevada 330881-16-11-165-07-02	9 Bently Nevada 330880-16-00-021-03-02

ENGINEERING BOUNDARY

Confirm 146055-10-02-00, its matched Bently Nevada 3300 Ceramic Capped Probe System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

1 Confirm the complete 146055-10-02-00 marking, product role and documented installation position.	2 Place the machinery protection system and connected process in the approved maintenance state.
3 Isolate power and field circuits, prove the safe state and apply ESD controls where required.	4 Record every mating component, terminal, connector, shield, cable route and configuration assignment.

Applications and Engineering Context

Machinery-protection planned maintenance

Restores non-contacting measurement through a front-sealed reverse-mount ceramic probe in the documented monitoring architecture.

3300 Reverse-Mount Ceramic-Capped Probe replacement

Uses exact 146055-10-02-00 identity instead of an adjacent order-code execution.

Monitoring-system refurbishment

Preserves the installed host position, mating interfaces, wiring and approved configuration.

Controlled recommissioning

Confirms diagnostics and the affected measurement or communication function before operation.

TECHNICAL NOTE

Install 146055-10-02-00 only in the documented Bently Nevada 3300 Ceramic Capped Probe System position. Preserve exact mating interfaces and the as-found record, then verify diagnostics and non-contacting measurement through a front-sealed reverse-mount ceramic probe under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	146055-10-02-00 recorded
Host / carrier	Bently Nevada 3300 Ceramic Capped Probe System
Physical interface	Installed mating components and field interfaces matched to the as-found record
Configuration	Approved rack, channel or transducer-loop configuration restored
Functional proof	Controlled test confirms non-contacting measurement through a front-sealed reverse-mount ceramic probe

IMPORTANT NOTICE

Confirm 146055-10-02-00, its matched Bently Nevada 3300 Ceramic Capped Probe System host, exact interfaces, installed position, wiring or cable route, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

Bently Nevada 330103-00-13-50-12-00

View Bently Nevada 330103-00-13-50-12-00 page

2

Bently Nevada 330101-00-16-10-11-00

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Bently Nevada 330104-04-09-10-01-05

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Bently Nevada 330880-16-00-021-03-02

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MANUFACTURER SOURCE RECORD

3300 Ceramic Capped Probe Datasheet 172932 Rev. J | Baker Hughes / Bently Nevada manufacturer datasheet

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.