

BENTLY NEVADA

170133-090-00

Technical Reference

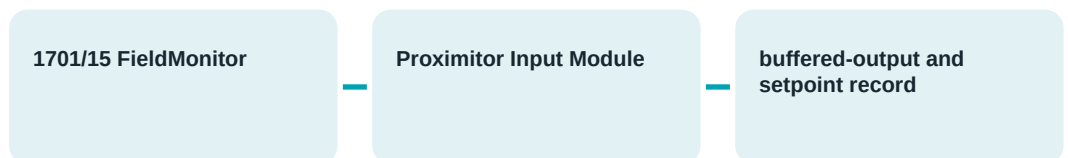
Bently Nevada 170133-090-00 is the internal 3300 9 m Proximitor input module option for the two-channel 1701/15 FieldMonitor.

FAMILY 1701/15 FieldMonitor

DOCUMENT Technical Reference

SOURCE 141483-01 Rev. F

SYSTEM FLOW



SELECTED RELATED PRODUCTS

01	Bently Nevada 3500-45-176449-04	OPEN	02	Bently Nevada 330106-05-30-05...	OPEN
03	Bently Nevada 330171-00-12-05...	OPEN	04	Bently Nevada 330171-00-33-50...	OPEN
05	Bently Nevada 330171-00-12-50...	OPEN	06	Bently Nevada 86691-02150-040...	OPEN

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



170133-090-00

Technical Reference

Exact-model identity and parameters

Complete model	170133-090-00	Measurement roles	Radial vibration or thrust position
Manufacturer	Bently Nevada	Direct accuracy	1% of full scale
Product family	1701/15 FieldMonitor	Direct resolution	0.1% of full scale
Ordering identity	170133-090-00	Gap accuracy	+/-20 mV from -1 V to -23 V
Monitor family	1701/15 FieldMonitor	Gap resolution	1 mV
Transducer option	Internal 3300 9 m Proximitor transducer	Setpoint resolution	0.5% of full scale
Approval option	00, safe-area / no approvals	Flex read/write rate	25 ms minimum
Monitor channels	Two	Buffered output impedance	200 ohms

EVIDENCE BOUNDARY

Pair 170133-090-00 with the documented 3300 9 m transducer system and retain the selected vibration or position scaling, setpoints and buffered-output record.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



170133-090-00

Technical Reference

System role and engineering applications

ROLE 1 Fits the two-channel 1701/15 FieldMonitor	ROLE 2 Uses the internal 3300 9 m Proximitytor option
ROLE 3 Supports radial vibration or thrust position	ROLE 4 Carries the -00 safe-area approval option

SIGNAL / SERVICE PATH

1701/15 FieldMonitor	matched 3300 probe system	configured measurement channel	buffered-output and setpoint record
Radial vibration input Conditions a matched proximity transducer signal for shaft-vibration monitoring.		Thrust position input Uses the same two-channel FieldMonitor platform for axial-position measurement.	
Gap-voltage review Provides a precise gap reading for probe setup and condition assessment.		Buffered signal access Makes the channel signal available for controlled diagnostic observation.	

Technical Reference

Field-work sequence and acceptance controls

01 Verify 170133-090-00 and the assigned 1701/15 channel before work Verify 170133-090-00 and the assigned 1701/15 channel before work.	02 Place the monitored machine and associated alarms in maintenance state Place the monitored machine and associated alarms in maintenance state.
03 Isolate the documented supply and field circuit before module handling Isolate the documented supply and field circuit before module handling.	04 Record transducer pairing, channel mode, range and setpoints Record transducer pairing, channel mode, range and setpoints.
05 Use grounded ESD controls and protect the module connection points Use grounded ESD controls and protect the module connection points.	06 Confirm that the -00 safe-area option suits the installed location Confirm that the -00 safe-area option suits the installed location.
07 Review gap voltage and direct signal after the channel is restored Review gap voltage and direct signal after the channel is restored.	08 Complete a controlled response and alarm test before acceptance Complete a controlled response and alarm test before acceptance.

RELATED SERVICE REFERENCES

01 Bently Nevada 330780-90-05-837097 OPEN	02 Bently Nevada 102045-040-01-05 OPEN
03 Bently Nevada 200150-06-CN OPEN	

ACCEPTANCE RECORD

Retain the final 170133-090-00 identity, connection, configuration, diagnostic and controlled-response result.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



170133-090-00

Technical Reference

Model-specific questions and decisions

1 Which monitor uses Bently Nevada 170133-090-00?

It is an input-module option for the two-channel 1701/15 FieldMonitor.

2 Which transducer arrangement is built into Bently Nevada 170133-090-00?

The -090 option identifies an internal 3300 9 m Proximitor transducer.

3 What does the -00 suffix mean on Bently Nevada 170133-090-00?

It is the safe-area option without an agency approval selection.

4 Which measurements can Bently Nevada 170133-090-00 support?

The 1701/15 platform can be configured for radial vibration or thrust position.

5 What direct-channel accuracy is stated for Bently Nevada 170133-090-00?

The direct signal accuracy is 1% of full scale, with 0.1% full-scale resolution.

6 How precise is the gap reading for Bently Nevada 170133-090-00?

The gap channel is specified at 1 mV resolution and +/-20 mV accuracy over -1 V to -23 V.

7 What must remain paired with Bently Nevada 170133-090-00?

Retain the matched 3300 9 m probe system together with its channel range, mode and setpoints.

8 Which checks complete Bently Nevada 170133-090-00 commissioning?

Review gap and direct signals, then prove the configured alarm response under controlled conditions.

RELATED MODEL REFERENCES

01	Bently Nevada 200151-40-03-00	OPEN	02	Bently Nevada 200150-02-CN	OPEN
03	Bently Nevada 200155-02-CN	OPEN			

SOURCE IDENTIFIER

Bently Nevada 1701/15 FieldMonitor Proximitor Input Monitor Datasheet | 141483-01 Rev. F

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com



170133-090-00

Technical Reference

Related products and document navigation

These links are navigation aids to other Apter Power product pages. They are not technical evidence for this product.

01	Bently Nevada 200152-XX-XX-XX MOD:323357-1...	OPEN	02	Bently Nevada 200155-00-CN	OPEN
03	Bently Nevada 330101-00-44-15-02-CN	OPEN	04	Bently Nevada 144181-51-05	OPEN
05	Bently Nevada 330881-16-10-100-03-02	OPEN	06	Bently Nevada 330171-00-08-10-01-05	OPEN
07	Bently Nevada 330172-00-08-10-01-05	OPEN	08	Bently Nevada 330780-90-05	OPEN
09	Bently Nevada 330130-085-10-00	OPEN	10	Bently Nevada 330103-00-16-05-11-05	OPEN
11	Bently Nevada 330103-00-16-05-02-05	OPEN	12	Bently Nevada 330101-02-60-05-01-05	OPEN

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com

