177313-02-02-00

Electric TK-3e Proximity System Test Kit

Bently Nevada 177313-02-02-00 is an electric TK-3e proximity system test kit with metric micrometer and European power cord. It simulates shaft position and vibration for checking proximity transducer and monitor response.

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177313-02-02-00

Manufacturer	Bently Nevada
Product name	Electric TK-3e Proximity System Test Kit
Product family	TK-3 Proximity System Test Kit
Part number	177313-02-02-00
Country of origin	USA

Core system roles

1. Simulates shaft vibration for proximity-system verification
2. Provides a micrometer-controlled static target position
3. Generates an adjustable rotating wobble target
4. Supports controlled checks of probes, Proximitor Sensors and monitor channels

Engineering note

Secure the test probe in the universal mount, select the correct supply and establish static micrometer position before increasing wobulator speed. Compare electrical and monitor readings throughout the controlled test range.

1. Technical data

Official manufacturer values for the complete product record are arranged below for engineering review.

Drive type	Electric
Micrometer units	Metric
Power cord	European
Approval option	None
Supported supply	95 to 125 Vac or 190 to 250 Vac
Supply frequency	50/60 Hz
Minimum supply current	1 A
Wobulator displacement	50 to 254 um peak-to-peak
Wobulator speed	0 to 5000 cpm +/-1000 cpm

Micrometer range	0 to 25.4 mm
Target material	AISI 4140 steel
Operating temperature	0 to +50 degC
Continuous operation maximum	+40 degC
Storage temperature	-18 to +65 degC
Relative humidity	95%
Enclosure rating	IP54 when closed
Universal probe mount	5 to 19 mm
Maximum operating altitude	2000 m

Configuration verification

Complete model	177313-02-02-00
Official product family	TK-3 Proximity System Test Kit
Primary source	TK3 Proximity System Test Kit Datasheet — 178087 Rev. G
Installation record	Physical marking and installed interfaces retained

2. Functions, components and applications

Interface 1	compatible proximity probe
Interface 2	Proximitor Sensor and extension cable
Interface 3	machinery monitor channel
Interface 4	portable measurement instrument

Proximity probe calibration check	Simulates shaft vibration for proximity-system verification
Monitor channel vibration simulation	Provides a micrometer-controlled static target position
Static gap verification	Generates an adjustable rotating wobble target
Maintenance shop transducer testing	Supports controlled checks of probes, Proximitor Sensors and monitor channels

Related Apter Power product pages

330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	Open product page
330103-00-12-10-02-00	3300 XL 8 mm metric probe	Open product page
330103-00-16-10-02-05	3300 XL 8 mm approved probe	Open product page
330130-045-00-00	3300 XL extension cable	Open product page

Integration statement

Bently Nevada 177313-02-02-00 is an electric TK-3e proximity system test kit with metric micrometer and European power cord. It simulates shaft position and vibration for checking proximity transducer and monitor response.

3. Precautions and return-to-service evidence

1. Verify 177313-02-02-00, metric micrometer and European cord before use.
2. Inspect the enclosure, drive assembly and target surfaces before applying power.
3. Select only a supply range supported by the electric TK-3e.
4. Clamp the probe securely without damaging its case or cable.
5. Keep hands, leads and loose items clear of the rotating wobble plate.
6. Start at zero speed and increase only after confirming mechanical clearance.
7. Use the AISI 4140 targets when comparing published transducer response.
8. Return controls to a safe state and close the IP54 enclosure after testing.

Commissioning evidence matrix

Identity	Full 177313-02-02-00 marking confirmed
Installed component	compatible proximity probe
Paired hardware	Proximitor Sensor and extension cable
Primary duty	Proximity probe calibration check
Functional test	Simulates shaft vibration for proximity-system verification
Release record	Diagnostics and as-left response retained

Proximity probe calibration check	Verify the simulates shaft vibration for proximity-system verification response under controlled conditions
Monitor channel vibration simulation	Verify the provides a micrometer-controlled static target position response under controlled conditions
Static gap verification	Verify the generates an adjustable rotating wobble target response under controlled conditions
Maintenance shop transducer testing	Verify the supports controlled checks of probes, proximitor sensors and monitor channels response under controlled conditions

4. Engineer FAQ and controlled source record

What maintenance evidence should be retained for 177313-02-02-00?	Retain the full 177313-02-02-00 identity, as-left mounting and connections, continuity or bias checks, diagnostics and the final functional-test result.
What should be verified before returning 177313-02-02-00 to service?	Confirm secure mounting, connector integrity, restored configuration, stable signal behavior and the intended response of the associated monitoring channel.
What must be matched before replacing 177313-02-02-00?	Match the complete 177313-02-02-00 marking, electric tk-3e proximity system test kit, installed mounting or connector execution and the approved equipment record before removal.
Which system components should be checked with 177313-02-02-00?	Confirm the installed compatible proximity probe, Proximitor Sensor and extension cable and the assigned monitoring or connection point are the documented combination for 177313-02-02-00.

How should wiring or cabling for 177313-02-02-00 be recorded?	Record conductor identity, shield termination, connector orientation, cable route and the as-found diagnostic state before disconnecting 177313-02-02-00.
What installation control is important for 177313-02-02-00?	Use the model-specific mounting arrangement, protect mating surfaces and maintain the documented cable support and mechanical clearance for 177313-02-02-00.
How is 177313-02-02-00 checked during commissioning?	Apply the approved controlled test for proximity probe calibration check, verify polarity or direction where applicable, and compare the measured response with the configured channel.
Can parameters from a similar model be used for 177313-02-02-00?	No. Retain only values and configuration details that apply directly to the complete 177313-02-02-00 ordering code and installed system.

Source identifiers

Manufacturer	Bently Nevada / Baker Hughes
Official document	TK3 Proximity System Test Kit Datasheet
Publication / revision	178087 Rev. G
Applied product	177313-02-02-00