

BENTLY NEVADA TK-3 PROXIMITY SYSTEM

Product Data Sheet

TK3-2E

proximity system test and calibration kit

FUNCTION	FAMILY	ORIGIN	WEIGHT
proximity system test and calibration	Bently Nevada TK-3 proximity system	United States	5.50 kg

TK-3 Proximity System TK3-2E is a proximity system test and calibration kit for the Bently Nevada TK-3 proximity system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	TK3-2E
Product Class	Proximity System Test And Calibration Kit
Product Family	Bently Nevada TK-3 proximity system
Test Function	Proximity probe system calibration
Micrometer Range	0 to 25 mm class
Spindle Target	4140 steel target
Vibration Input	Adjustable mechanical wobble
Power Input	Portable test-kit supply
Probe Families	5 mm, 8 mm and 11 mm systems
Static Check	Gap-voltage verification

Dynamic Check	Vibration scale-factor verification
Dial Indicator	Integrated displacement reference
Carrying Format	Portable case

- Regulate reciprocating compressor condition with Proximity System: In the automation chain for the cylinder, rod-position and casing sensors, TK3-2E performs its assigned control role as a proximity system test and calibration kit. During process-gas transition, the system uses this function to associate mechanical signals with the compression cycle, helping it separate process influence from a developing mechanical fault.
- Stabilize compressor protection with Proximity System: Within the shaft lines, thrust positions and casing sensors, TK3-2E supports the configured automation role as a proximity system test and calibration kit. During steady-load comparison, the system uses this function to associate the measurement with machine operating state, helping it distinguish a developing mechanical change from load response.
- Regulate high-lift pump protection with Proximity System: During operation of the radial bearings and shaft-position probes, TK3-2E supports the configured automation role as a proximity system test and calibration kit. During peak-flow operation, the system uses this function to observe shaft behavior while hydraulic demand rises, helping it support protection of the critical pumping duty.

Match TK3-2E to the installed Bently Nevada TK-3 proximity system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Bently Nevada official product documentation and manufacturer catalog](#)

AMIKON PRODUCT SUPPORT

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