

TK-3E 177313-02-01

Electric-Driven TK-3e Proximity System Test Kit

PRODUCT TECHNICAL REFERENCE

Bently Nevada TK-3E 177313-02-01 is the metric, electric-driven TK-3e proximity-system test kit configured with an American power cord. It simulates shaft vibration and position for checking proximity transducer systems and monitor calibration.

OFFICIAL SOURCE

TK3 Proximity System Test Kit Datasheet | 178087 Rev. G

Verified technical profile

Electric-Driven TK-3e Proximity System Test Kit

Drive type	Electric
Scale units	Metric
Power cord	American
Power	95-125 Vac or 190-250 Vac, 50/60 Hz
Vibration amplitude range	50-254 um peak-to-peak
Maximum wobulator speed	0-5000 cpm +/-1000 cpm
Micrometer range	0-25.4 mm
Probe diameter range	5-19 mm
Target material	AISI 4140 alloy steel
Operating temperature	0-50 deg C
Closed-case exposure	IP54 design

Dimensions and weight are intentionally excluded from the product fields for this batch.

System role and engineering boundaries

Bently Nevada TK-3E 177313-02-01 is the metric, electric-driven TK-3e proximity-system test kit configured with an American power cord. It simulates shaft vibration and position for checking proximity transducer systems and monitor calibration.

1

Combines static position checking with dynamic vibration simulation

2

Accepts multiple proximity-probe diameters in a universal mount

3

Generates a known mechanical wobble signal without requiring an oscilloscope

4

Supports field verification of transducer output and monitor indication

ENGINEERING NOTE

Set TK-3E 177313-02-01 on a stable work surface, secure the probe mount and keep personnel clear of the motor-driven wobble plate. Use the metric micrometer and a voltmeter to establish known mechanical displacement before comparing monitor readings.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Proximity probe calibration checks

Moves a target in measured increments while the probe output is recorded.

Vibration monitor verification

Applies a known wobble-plate displacement so the displayed vibration value can be compared.

Position channel checkout

Supports static gap and position verification before a channel is returned to machinery service.

Maintenance-shop transducer testing

Provides a controlled bench method for assessing a probe, extension cable and Proximitor sensor loop.

Related-series navigation

Eight verified Apter Power product pages, kept separate from the manufacturer source record.

RELATED APTER POWER SERIES PAGES	
01	330930-065-01-05 NSv extension cable
02	330902-00-90-10-01-05 armored proximity probe
03	330901-00-14-10-02-00 NSv proximity probe
04	330909-00-60-10-01-00 armored NSv probe
05	330180-12-05 Proximitor sensor
06	190501-10-00-00 Velomitor CT
07	9200-06-01-11-04 Seismoprobe transducer
08	330780-90-05 11 mm Proximitor sensor

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

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