#### Model Number

9100D

Maximum Amplitude

Maximum Amplitude

Maximum Payload [2]

Non-Volatile Memory

Programmability

Auto-Payload Calculation

Test Operation

Memory

Frequency Range (operating) [1]

(50 Hz, 10-gram payload)

(50 Hz, 500-gram payload)

ACCURACY OF READOUT <sup>[3]</sup>

Acceleration (10 Hz to 10 kHz)

Displacement (30 Hz to 150 Hz)

Acceleration (5 Hz to 10 Hz)

Velocity (10 Hz to 1000 Hz)

5 Hz-10 kHz

20 g pk

2.5 g pk

± 3% [4]

± 5% [4]

± 3%

± 3%

3.5 in/s pk

800 grams

User Entry Required

20 in/s pk 150 mils pk-pk

GENERAL

## PORTABLE SHAKER TABLE

300-600 k CPM 196 m/s<sup>2</sup> pk

500 mm/s pk

3.8 mm pk-pk

24.5 m/s<sup>2</sup> pk.

90 mm/s pk

Manual (Closed Loop) or Semi-Automatic

Controlled via Reference Accelerometer, No

Storage of Calibration Settings for Accuracy

Stores Semi-Automated Test Routine

Up to 30 Test Points per Routine

Revision:
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1

ECN#:

#### **INPUT/OUTPUT**

External Source In (Max) Monitor Reference Out	1 VAC RMS 10 mV/g (nom Accelerometer	1 VAC RMS 10 mV/g (nominal) Quartz Reference Accelerometer, BNC Jack Output Used for Loading Semi-Automated Test Routines (Model CALROUTE) <sup>(7)</sup>			
USB Port	Used for Load Routines (Mod				
PHYSICAL	ana atau - Landar a Matana -				
Dimensions (H x W x D) Weight	8.5 x 12 x 10 i	n 22 x 30.5 x 28 cm 8.2 ka			

	Weight	18 lb	8.2 kg
412	Operating Temperature	32 °F-122 °F	0 °C–50 °C
	Sensor Mounting Platform	1/4-28 Thread Size	

NOTES: [1] 100-gram payload

[2] Operating range reduced at higher payloads. Reference manual for full details

[3] Measured with 10-gram quartz reference accelerometer

[4] Calculated by measuring the % difference between the known sensitivity of a reference accelerometer as calibrated by laser primary system per ISO 16063-11 and the measured sensitivity of same reference accelerometer when tested at the same points

[5] Test is conducted independently of product firmware with calibrated voltmeter

[6] As shipped from factory in new condition.[7] & provides power for optional external power supplies



## Model Number

## 9100D

# PORTABLE SHAKER TABLE

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ECN#:

SUPPLIED ACCESSORIES	OPTIONAL ACCE	SSORIES		
Mounting Wrench Model PD-1320-01 Power Supply and Plug Adaptors Model 9100-PS01	PROXIMITY PROB	E CALIBRATION		
10-32 to ¼-28 Mounting Stud Model 081820 10-32 to ¼-28 Mounting Stud Model 0818408 M8 x 1.25 M to ¼-28 M Mounting Stud Model M081A63	Proximity probe adapto Mitutoyo micrometer so PPA01	r kit for probes with 5 mm o aled in mils and 4140 stee!	r 8 mm tip diameter. Inclu calibration target. Model	ides 9100-
M8 x 1.25 F Thru Hole Mounting Pad Model PVC-MNT01 M8 x 1 M to ¼-28 M Mounting Stud Modal 081M165 M8 x 1 F Thru Hole Mounting Pad Model PVC-MNT02	Proximity probe adapto Mitutoyo micrometer so 9100-MPPA01	or kit for probes with 5 mm o caled in microns and 4140 s	r 8 mm tip diameter. Inclu teel calibration target. Mo	ides del
Mounting Plate, 3- & 4-Hole High-Temp Vibration Sensors <sup>[8]</sup> Model PVC-HTMNT01 Mounting Plate, 3- & 4-Hole High-Temp Vibration Sensors <sup>[6]</sup> Model PVC-HTMNT02 NIST Traceable Certificate of Calibration, Metric & English Units, Accredited to ISO 17025 by A2LA, 18-point Certificate of Calibration, Published Uncertainties on www.a2la.org, Reference Accelerometer Calibrated via ISO 16063-11 Laser Primary Method Model 9100-CAL01	Proximity probe adapto Proximity probe adapto Includes digital microm micrometer. Model 910 MOUNTING	or kit for probes with 11 mm or kit for testing probes mour eter scaled in mils or micror 00-PPASH	tip diameter. <b>Model 9100</b> nted inside a probe holde ns. Fine adjustment via po	-PPA05 r. ositional
Technical Support: Training Webinars <sup>19</sup> , 24/7 Video Library USB Flash Memory Drive: Loaded with CALROUTE Microsoft Excel® Macro-Enabled Programming Workbook Accessory Pouch	%-20 F to %-28 F Mour %" NPT F Mounting Ad 3/8-24 M to %-28 M Mo	nting Pad Model 9155-MNT aptor to ¼-28 M Model 915 punting Stud Model 9155-M	93 5-MNT43 NT73	
Quick Start Guide: Available in English, Chinese, Polish, Japanese, Russian Languages	POWER			
Warranty: 2 Years, Inclusive of Drift/Accuracy NOTES: [8] Mounting plates support sensors listed. Multi-hole mounting plates are convenient but not optimized for the best calibration results. Modal Shop offers a full line of customized mounting pads validated in our calibration lab for precise results. Contact us for more information. B&K: 8324 Bently Nevada: 330450, 330750, 350900 CEC: 4-123, 4-126, 4-128, 4-130, 4-137, 4-138, 4-170, 4-171 Dytran: 3085C and 3235 series Endevco: 6233C, 6222M, 6222S and 6240 Series Metrix: 5485C, SA6350 PCB Piezotronics: 357 & EX600B series, EX615A42 and EX619A11 Vibro-Meter: CA 134, CE 134, CA 202, CA 280, CE 281, CA 303, CA 306, CE 311 [9] Available upon request Meets API 670 requirements for all required test points in acceleration or velocity from 10 Hz to 1000 Hz & payloads to 800 grams	POWER 24 VDC Power Supply for testing 4-20 mA Loop-Powered Vibration Transmitters, Non-ICP 24 VDC Velocity Sensors & Modulated Current Output Vibration Sensors and Charge Amplifiers. USB Powered. Model 9100-PS02 3-socket MiL cable used with 9100-PS02 for testing GE/Bently Nevada® 3-pin MIL case mounted vibration sensors. Spade Lug terminations & BNC output for signal. Model 9100-PS02-CBL01 5 VDC Power Supply for testing GE/Bently Nevada® Trendmaster® Vibration Sensors. USB powered. Integral 5-pin Mating Cable. Plug & Play. BNC Output. Model 9100-PS04-TM 15 VDC Power Supply for Testing Pruftechnik CLD Vibration Sensors & Other Modulated Current Sensors with Same Power Scheme. USB Powered. TNC Input. Plug & play. BNC Output. Model 9100-PS07-PT TRAINING On-Site Seminars Available Upon Request Model 9100-TRAINING			
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Image: Construction of the second	10dalshop.com 351.9919	+1 800.860.4867 Fax: +1 513.458.2172	SAN	<b>/I-F</b> 020 revB 05/17/18