

OVTT 18



Part Number: 971-5001

Standard Features

- OVTT Base Assembly
- PanelView Electronic Console with PLC Controller
- xLF2 Vibration Table with PSD Management

The OVTT™, Omni-Axial Vibration Table Top System, is a stand-alone, compact, repetitive-shock vibration system. ESPEC's Qualmark brand OVTT 18 system is ideal for quick evaluation of field returns, repair verification and random vibration test of small products. The OVTT 18 utilizes ESPEC's six-degree-of-freedom vibration technology and is designed with reduced air requirements and low noise levels. The OVTT 18 system can be easily configured for placement inside a thermal chamber for combined stress tests.¹

Work Space	21.7" w x 21.7" d x 8.6" h (551 x 551 x 218 mm)
Outer Dimensions	29.4" w x 34.8" d x 21.9" h (747 x 883 x 557 mm)
Table Size	18" x 18" (457 x 457 mm)
Table Capacity²	50 lb (23 kg)
Actuators	4 Actuators Lubricant-free
Acceleration	5 – 40 gRMS
Power Requirements	120/220-240VAC 1A 50/60Hz
Air Requirements	25 SCFM at 70 psi

See Qualmark product line brochure for configuration options, accessories, and post warranty service and maintenance plans. All specifications are subject to change without notice.

OVTT 18 System includes:

- OVTT 18 base unit with cover
- Console with PanelView Touch Screen
- Two (2) year warranty
- Operations & Maintenance manual
- One (1) accelerometer for table control
- One (1) 10 ft accelerometer cable

Optional:

- OVTT Manager with PC and monitor
- Three (3) additional accelerometer input channel



Vibration Features	Table Top	18" x 18" (457 x 457 mm)
	Table Top Hardware	25 threaded holes 3/8-16 on 4" (102 mm) centers (M10 optional)
	Actuators	4 pneumatic, impulse-type, lubricant-free actuators
	Vibration	Six degree of freedom, random, OmniAxial broadband excitation
	Table Product Capacity ²	50 lb (23 kg)
	Vibration Range	5 - 40 gRMS (10 Hz to 5000 Hz) bare table
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Internal Features	Interior Dimensions	21.7" w x 21.7" d x 8.6" h (551 x 551 x 218 mm)
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Exterior Features	Exterior Dimensions	With Console: 29.4" w x 34.8" d x 21.9" h (747 x 883 x 557 mm) Without Console: 29.4" w x 29.1" d x 21.9" h (747 x 740 x 557 mm) Without Console and Cover: 28.7" w x 28.3" d x 11.5" h (730 x 718 x 293 mm)
	Cover	Clear plastic with quick release hinges
	External Construction	Painted steel
	Cable Ports	(1) 2.25" (57 mm) diameter
	Sound	73 dBA at 40 gRMS (at 1 meter)
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Temperature Range with a Thermal Chamber¹		Without cover and console: -50°C to +150°C
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Utilities	Electrical	120/220-240 Volts, 3A 50/60 Hz
	Air	25 SCFM at 70 psi (0.7 m ³ /min at 4.8 bar)
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Applications		Quick evaluations of field returns Vibration audits Mounts into most thermal chambers for combined thermal and vibration testing ¹ Depot repair and engineering development Production line screening
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1. With cover and console removed. Controller and cover are not intended for use inside a thermal chamber.