

Part Number: 971-5001

Standard Features

OVTT Base Assembly

PLC Electronic Console with PanelView Controller

xLF2 Vibration Table with **PSD Management**

OVTT 18

The OVTT™, Omni-Axial Vibration Table Top System, is the first stand-alone, compact, repetitive-shock vibration system on the market. Qualmark's OVTT 18 system is ideal for quick evaluation of field returns, repair verification and random vibration test of small products. The OVTT 18 utilizes Qualmark's patented six-degreeof-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 218mm)
Outer Dimensions	29.4"w x 34.8"d x 21.9"h
	(747 x 883 x 557mm)
Table Size	18" x 18"
	(457 x 457mm)
Table Capacity ²	50lb (23kg)
Actuators	4 Actuators
	Lubricant-free
Acceleration	5 – 40 gRMS
Power Requirements	120/220-240VAC
	3A 50/60Hz
Air Requirements	25 scfm at 70 psi
	(0.7 m ³ /min at 4.8 bar)





OVTT 18 System includes:

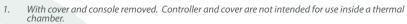
- OVTT 18 base unit with cover
- · Console with PanelView Controller
- Two (2) year warranty
- Operations & Maintenance manual
- One (1) accelerometer for table control
- One (1) 10 ft accelerometer cable

Optional:

- OVTT Manager with PC and 18.5" monitor
 - Three (3) additional accelerometer input channel



Vibration Features	Table Top Table Top Hardware Actuators Vibration Table Product Capacity ² Vibration Range	18" x 18" (457 x 457mm) 25 threaded holes 3/8-16 on 4" (102mm) centers (M10 optional) 4 pneumatic, impulse-type, lubricant-free actuators Six degree of freedom, random, OmniAxial broadband excitation 50 lb (23 kg) 5 - 40 gRMS (10 Hz to 5000 Hz) bare table
Internal Features	Interior Dimensions	21.7"w x 21.7"d x 8.6"h (551 x 551 x 218mm)
Exterior Features Cover External Construction Cable Ports Sound	With Console: 29.4"w x 34.8"d x 21.9"h (747 x 883 x 557mm) Without Console: 29.4"w x 29.1"d x 21.9"h (747 x 740 x 557mm) Without Console and Cover: 28.7"w x 28.3"d x 11.5"h (730 x 718 x 292mm)	
	Cover	Clear see-through plastic with quick release hinges
	External Construction	Painted steel
	Cable Ports	(1) 2.5" (57 mm) diameter
	Sound	73 dBA at 30gRMS (at 1 meter)
Temperature Range with	n a Thermal Chamber ¹	Without cover and console: -50°C to +150°C
Utilities	Electrical	120/220-240 Volts, 3A 50/60 Hz
	Air	25 SCFM @ 70 psi
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
		1 With some and according to the Controller and according to the defence in idea the sound



2. Greater load capacities can be designed, contact Qualmark for custom options.

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