

Technical Specifications:

_active vibration isolation desktop unit

halcyonics_micro series



Technical Specifications:

_AVAILABLE STANDARD VERSIONS

Micro_40

Micro_60

Micro_80

_PERFORMANCE SPECIFICATIONS

ISOLATION TECHNOLOGY:	halcyonics_vario control technology based on piezoelectric type acceleration pickup, fast signal processing and electro-dynamic force transducers.		
CONTROL ELECTRONICS:	Easy to navigate menu for all settings, second graphic display for vibration levels		
FORCE DIRECTIONS:	Active compensation in all six degrees of freedom		
ISOLATION PERFORMANCE:	> 5 Hz = 25 dB (94.4 %) >10 Hz = 40 dB (99.0 %)	> 5 Hz = 25 dB (94.4 %) >10 Hz = 40 dB (99.0 %)	> 5 Hz = 25 dB (94.4 %) >10 Hz = 40 dB (99.0 %)
ACTIVE BANDWIDTH:	0.6–200 Hz*	0.6–200 Hz*	0.6–200 Hz*
STROKE OF THE ACTUATOR:	1.000 µm	1.000 µm	1.000 µm
SETTLING TIME:	300 ms**	300 ms**	300 ms**
MAX. CORRECTION FORCES: V. = Vertical H. = Horizontal	V. ± 8 N H. ± 4 N	V. ± 8 N H. ± 4 N	V. ± 8 N H. ± 4 N
LOAD CAPACITY:	0–100 kg 0–220 lbs	0–100 kg 0–220 lbs	0–100 kg 0–220 lbs

_OTHER SPECIFICATIONS

WEIGHT:	27.8 kg 61.3 lbs	43.3 kg 95.5 lbs	55.0 kg 121.3 lbs
TABLE TOP MATERIAL:	powder coated aluminum	powder coated aluminum honey-comb structure	powder coated aluminum honey-comb structure
MAXIMUM COMPENSATION LEVEL:	500 µm/s at 6 Hz and 60 kg 132 lbs**		
SOFTWARE (FOR MICROSOFT WINDOWS BASED PCS):	- Activate/deactivate active vibration isolation by remote control - Monitor function - display sensor signals - Spectrum analyzer function - guidance to locate disturbing vibration sources - Location finder - guidance to find the ideal installation location in the lab		
INTERFACE:	USB 1.1 Standard		
REPEATABILITY OF LOAD ADJUSTMENT:	120 µm		

_ENVIRONMENTAL AND OPERATIONAL REQUIREMENTS

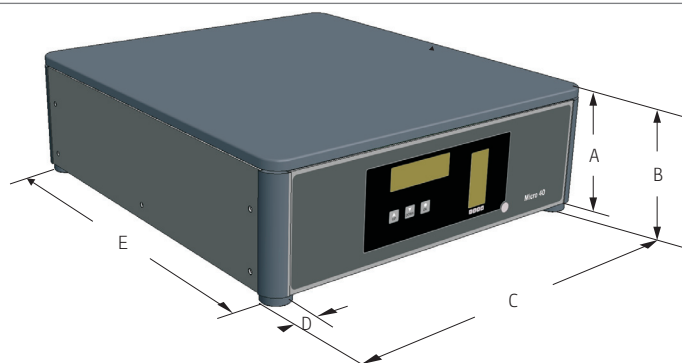
ELECTRICAL VOLTAGE:	100–250 V~ / 47–63 Hz
POWER CONSUMPTION:	Typically 40–55 W
OPERATING TEMPERATURE:	10–40 °C 50–104 °F
RELATIVE HUMIDITY:	0–60 %
OPERATING ALTITUDE:	<2,500 m 8,100 ft

_CERTIFICATION

ELECTRICAL SAFETY:	CE certified according to directive 2006/95/EC
EMC:	CE certified according to directive 2004/108/EC

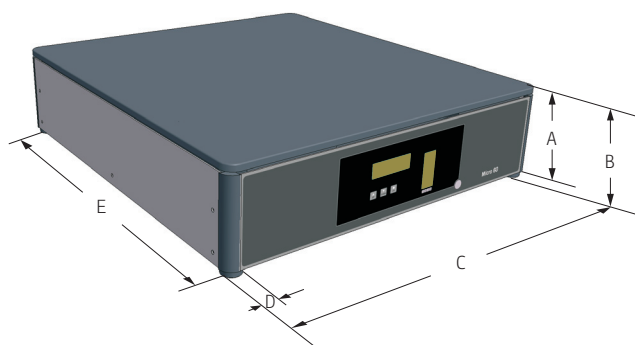
- * Floating table top is supported by steel springs; low-pass characteristics of spring-mass combination dominates the dynamic behaviour above 200 Hz.
- ** The settling time and maximum compensation level depend on several conditions, such as payload, frequency, load distribution and height of the payload. For that reason this value should be considered as an estimation.

Technical Dimensions:



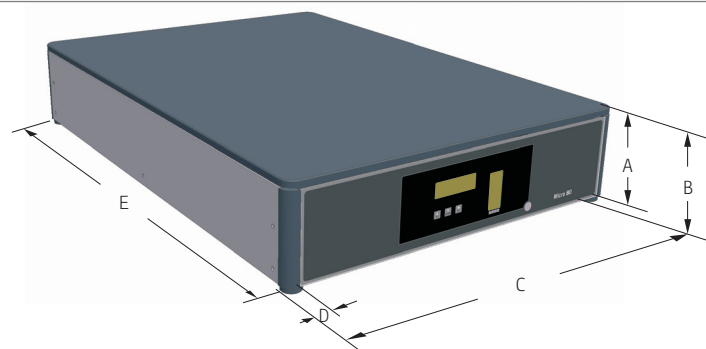
A = 127 mm	5.0"
B = 137 mm	5.4"
C = 406 mm	16.0"
D = 30 mm	1.2"
E = 446 mm	17.6"

Micro_40



A = 144 mm	5.7"
B = 154 mm	6.1"
C = 602 mm	23.7"
D = 30 mm	1.2"
E = 646 mm	25.4"

Micro_60



A = 144 mm	5.7"
B = 154 mm	6.1"
C = 602 mm	23.7"
D = 30 mm	1.2"
E = 846 mm	33.3"

Micro_80