

Available Standard Versions	
Duo 73	Minimum configuration, consists of two isolation elements
Duo 73 Add-on	Additional isolation element for combinations of three and more isolators.
Performance Specifications	
Isolation technology:	Halcyonics active vibration isolation technology based on piezoelectric type acceleration pickup, fast signal processing and electro-dynamic force transducers.
Force directions:	Active compensation in all six degrees of freedom
Isolation performance:	> 5 Hz = 25 dB (94.4%); > 10 Hz = 35 dB (98.2%)
Active bandwidth:	1.0 – 200 Hz*
Settling time:	300 ms
Max. correction forces:	Vertical ± 16 N; horizontal ± 8 N (for Duo 73 – 2 isolator configuration)
Load capacity:	0 – 400 kg (0 – 880 lbs) per element
Other Specifications	
Dimensions:	See figure 2
Weight:	26 kg (57.3 lbs) per isolation element
Maximum compensation level:	350 $\mu\text{m/s}$ at 9Hz and 300 kg (661 lbs) **
Interface:	BNC analog diagnostic output – 50 Ohms
Environmental and Operational Requirements	
Electrical voltage:	100 – 250 V / 47 – 63 Hz
Power consumption:	10 – max. 50 W per element
Operating temperature:	10 – 40°C (50 – 104 F)
Relative humidity:	0 – 60%
Operating altitude:	< 2500 m (8100 ft)
Certification	
Electrical Safety:	CE certificated according to directive 89/336/EC
EMC:	CE certificated according to directive 73/23/EEC
<p>* Floating table top is supported by steel springs; low-pass characteristics of spring-mass combination dominates the dynamic behaviour above 200 Hz.</p> <p>** The maximum compensation level depends on several conditions, such as payload, frequency, load distribution and height of the payload as well as the distance between the isolation elements. For that reason this value should be considered as an estimation.</p>	

