

## MECHANICAL ENVIRONMENTAL TESTING

# SHAKER LDS964LS/LDS954LS



### Control systems

The control systems are of type LDS Dactron and can control: Random, sine on random, random on random swept sine, resonance search, track and dwell classical shock and shock response spectrum.

Up to 8 measurement channels can be used (including the control).

### Miscellaneous

For small test objects there are a number of cube fixtures. For large test objects there are a number of complete fixture alternatives. High competence and skilled resources for manufacturing special-purpose fixtures. As many as 60 additional measurement points can be registered with an additional system. Vibration tests in combination with cold or heat, -50 - +70°C.

Power supply for test equipment, 200 V 400 Hz (in addition to normal mains voltage). Air supply 8 bar (0.5 kg/s).

	LDS964LS	LDS954LS
<b>Dimensions</b>		
Shaker in vertical position	diameter 600 mm	350 x 460 mm
Shaker in vertical position (with head expander 1)	600 x 600 mm	600 x 600 mm
Shaker in vertical position (with head expander 2)	600 x 1000 mm	–
Shaker in horizontal position (slip table 1)	600 x 600 mm	600 x 600 mm
Shaker in horizontal position (slip table 2)	1000 x 1000 mm	1000 x 1000 mm
All units have a hole spacing of:	70x70 mm (M10)	70x70 mm (M10)
<b>Performance</b>		
Maximum displacement	± 24 mm	± 24 mm
Maximum speed	2.1 m/s (shock), others 1.7 m/s	2.1 m/s (shock), others 1.7 m/s
Maximum acceleration	981 m/sRMS	981 m/sRMS
Maximum rated force	80 kN sine, (shock appr. 100 kN)	34 kN sine
Test frequency	2 - 2000 Hz	2 - 2000 Hz

Specifications subject to change without notice