

SAMPLE PRODUCT SPECIFICATION

Product name 5kN dynamic test actuator LEM
Product number ACT075SL
Specification version v4, February 2017



A high performance slotless linear electrical machine designed for high frequency dynamic testing applications. The electrical machine is integrated with low friction gas bearings and a pneumatic preload system to accommodate a wide range of test conditions and objectives.

Can be supplied as a bare electrical machine or with servo-drive and motion controller.

Performance with 2kg test subject mass

Operating point	1	2	3
Frequency (Hz)	25	75	250
Displacement (mm)	±20	±2	±0.15
Typical test duration (s)	7.5	5	5
Electrical machine force (kN)	5	5	5
Specific force (kN/kg)	0.6	0.6	0.6
Static pre-load (kN)	2	2	2

