

# APS Long Stroke Shaker ELECTRO-SEIS®

## with Linear Ball Bearings

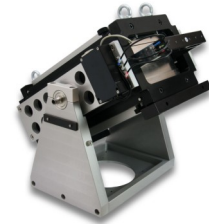
Overview 1/2



**APS 113 horizontal**



**APS 400 vertikal**  
with APS 0412 Reaction Mass



**APS 420 horizontal**  
with APS 4222 Trunnion Base

### Applications

- Modal analysis of dynamic loaded structures
- Seismic simulation for components
- Calibration and test for seismic instruments
- Geoservice, Geoscience, Geophysics, Geoseismic

### Range of Use

- Departments for the supervision of measuring instruments in research, industry, automotive, aviation, space, military and civil engineering
- Test and calibration laboratories

### Features

- Long stroke shaker for sine wave, swept sine wave, random or impulse force waveforms
- Optimized to deliver power to resonant load with minimum shaker weight and drive power
- Rugged linear guidance system

### Specifications

	APS 113 / APS 113-HF	APS 400	APS 420
Force (Sine Peak)	133 N / 186 N (30/42 lbf)	445 N (100 lbf)	900 N (200 lbf)
Velocity (Sine Peak)	1,000 mm/s (39 inch/s)		
Stroke (Peak - Peak)	158 mm (6.25 inch)		150 mm (5.9 inch)
Frequency Range	DC ... 200 Hz		
Operation	horizontal or vertical		
Armature Weight	2.3 kg (5.1 lb)	2.8 kg (6.2 lb)	3.6 kg (8.0 lb)
Max. Overhung Load at Armature Attachment Point	9.0 kg (20 lb)		
DC Coil Resistance	4.4 or 1.1 Ω / 1.4 Ω	1.6 Ω	1.1 Ω
Total Shaker Weight	36.0 kg (80 lb)	73.0 kg (161 lb)	140.0 kg (310 lb)
Dimension L x W x H	526 x 213 x 168 mm (20.7 x 8.4 x 6.6 inch)	526 x 314 x 178 mm (20.7 x 12.4 x 7.0 inch)	591 x 360 x 280 mm (23.3 x 14.2 x 11.0 inch)

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### Accessories (optional)

	<b>APS 113</b>	<b>APS 400</b>	<b>APS 420</b>
Power Amplifier	APS 125	APS 145	
System Cables for Connecting Shaker to Amplifier	APS 0082-6E	APS 0082-6E	
Auxiliary Table Kit – Horizontal	APS 0052	APS 0452	
Auxiliary Table Kit – Vertical	APS 0077	APS 0477	
Auxiliary Table Kit – Horizontal and Vertical	APS 0078	APS 0478	
Reaction Mass Assembly	APS 0112	APS 0412	APS 4212
Lifting Handles (Set of 4)	APS 0414	APS 0414	APS 4221
Carrying Handles and Tie-down Bars	APS 0108	APS 0421	
Trunnion Base	APS 4222		
Over Travel Switch	APS 8543		
Modal Stinger Kit	APS 8610		
Steel Cable Kit	APS 8611	APS 8612	

Additional accessories available