

ISiS-FBA-01 Force Balance Accelerometer**Specifications :**

Number of axes:	3 axis
Orientation:	Horizontal or vertical (wall mount)
Levelling:	Manual, with adjusting knobs
Casing:	Solid machined Al enclosure powder coated
Dimensions:	140x155x85mm
Weight:	3 kgs
Protection grade:	IP68
Tolerated humidity:	0-100%
Temp. operative range:	-20 to +70°C
Bandwidth:	standard DC-100Hz;
Damping:	0.7
Inertial mass weight:	15 g
Standard sensitivity:	5 V/g (2g at full scale)
Output impedance:	100 ohm
Full scale:	± 2 g (standard, ± 1 g or ± 4 g optional)
Output:	± 10 V fully differential (50 ohm)
Dynamic range:	> 165dB (From 0.1Hz to 20Hz with 1g full scale version)
Noise floor:	< 80 ng $\sqrt{\text{Hz}}$
Power supply:	10-15Vdc (80mA for a triaxial unit in standby)
Connector:	Mil grade connector
Optional:	
	<ul style="list-style-type: none">○ In-built battery (for 7 day backup)○ In-built memory for 7 day backup (system can work off-line also)○ GSM based communication○ GPS based timing
	<ul style="list-style-type: none">● Mounting Accessories● Calibration software for laptop based tuning