Battery Crash Test Barrier VBB-SR75/VBB-PR127

- Applied to electric safety test of EV/HEV;
- VBB-SR75 used for EV bottom-scraping test
- VBB-PR127 used for battery pole crash test;
- Built-in triaxial force sensor;
- Easy installation and position adjustment;
- Impact resistance ⩾100g;
- Force sensor uses LEMO socket.

The safety of EV battery collisions is crucial, especially for battery pack scraping and pole crashes. Understanding the force conditions on the battery pack during crash tests is essential for vehicle and battery pack protection design. The VBB-SR75 is designed for bottom scrape test barrier, using a 75mm radius spherical contact. The height can be adjusted by different steel plate thicknesses to adapt to various test conditions. The VBB-PR127 is designed for battery pack pole crash test barrier, similar with the vehicle pole crash barrier (radius 127mm).

Bottom Scrape Barrier VBB-SR75 Specification:

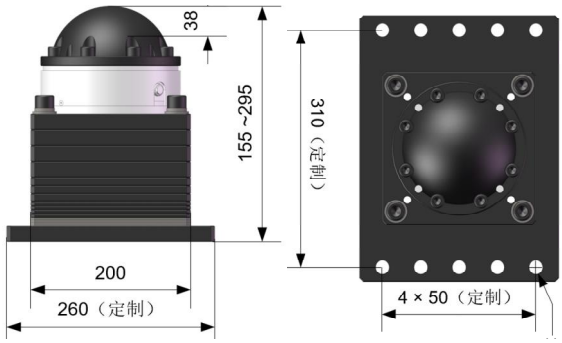
Name	Unit	Value
Spherical Dia.	mm	150
Spherical material	/	45# Steel
Height of sphere top	mm	Min.=155 Max.=295 default
Force range	KN	FX=FY=FZ=100
Sensor interface	LEMO EGG.1B.314	
Weight	kg	28~70 (default)

Pole Crash Barrier VBB-PR127 Specification:

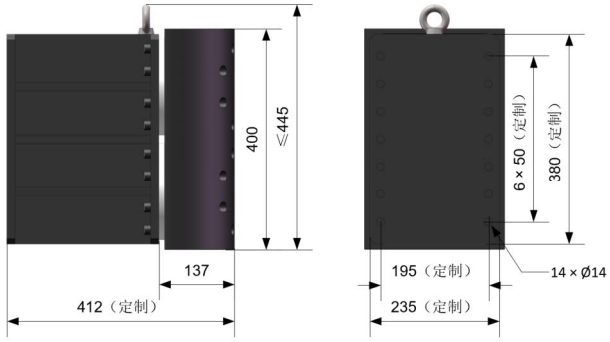
Name	unit	Value
Cylinder Dia.	mm	254
Cylinder height	mm	400
Cylinder material	/	45# Steel
Num. of force sensor	/	2
Force range (each)	KN	FX=FY=FZ=100 FZ=200 optional
Force Sensor Interface	LEMO EGG.1B.314	
Weight	kg	102 (default)

Dimension:

Bottom Scrape Barrier VBB-SR75:



Pole Crash Barrier VBB-PR127:



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