





Introduction

This report describes the testing of the modular unit known as Fall-Pac (2500mm x 644mm x 644mm) to meet the criteria of a maximum deacceleration of under 14g as specified in PAS15:2014, this test will be carried out by S Southby, J Southby and M McConnel.

The test will be conducted at 2 meters from top of the unit to determine the deceleration values of a test mass falling onto the units we will require three drop test to be conducted. The test results should show that the maximum decelerations are less than 14g.

The Drop mass shall consist of a 100kg weight with a plywood disk as specified in PAS59:2014 Tri-Axial accelerometer.

Product Specification

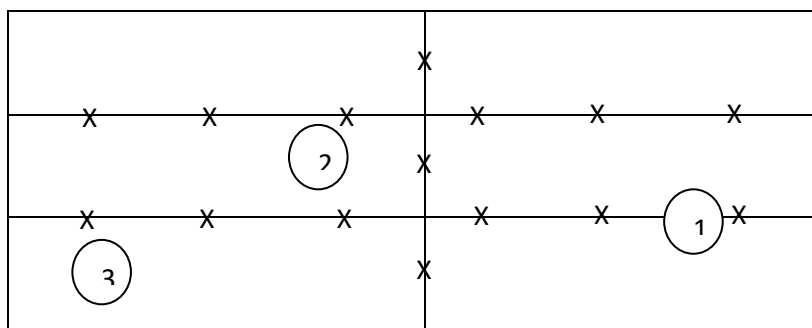
Name: Fall-Pac Unit

Size : 2500mm x 644mm x 644m

Description: Round cylinder polypropylene unit with polystyrene fill.

Configuration of system

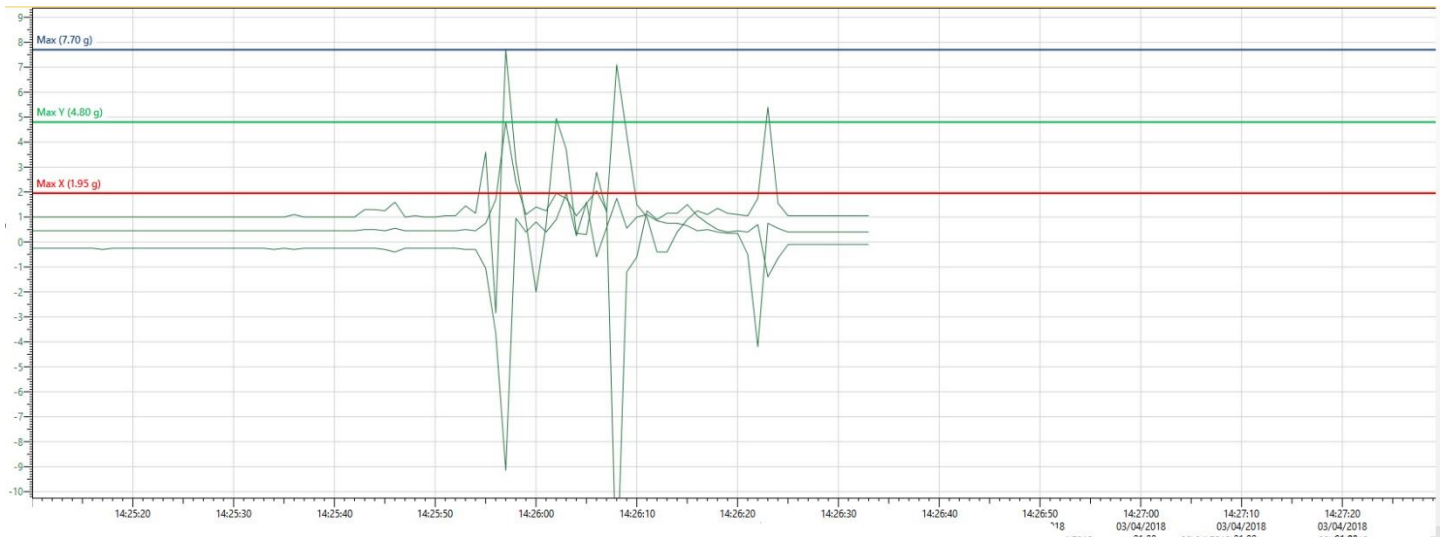
The modular system is going to be connected below with each unit clipped the circles will show the drop locations



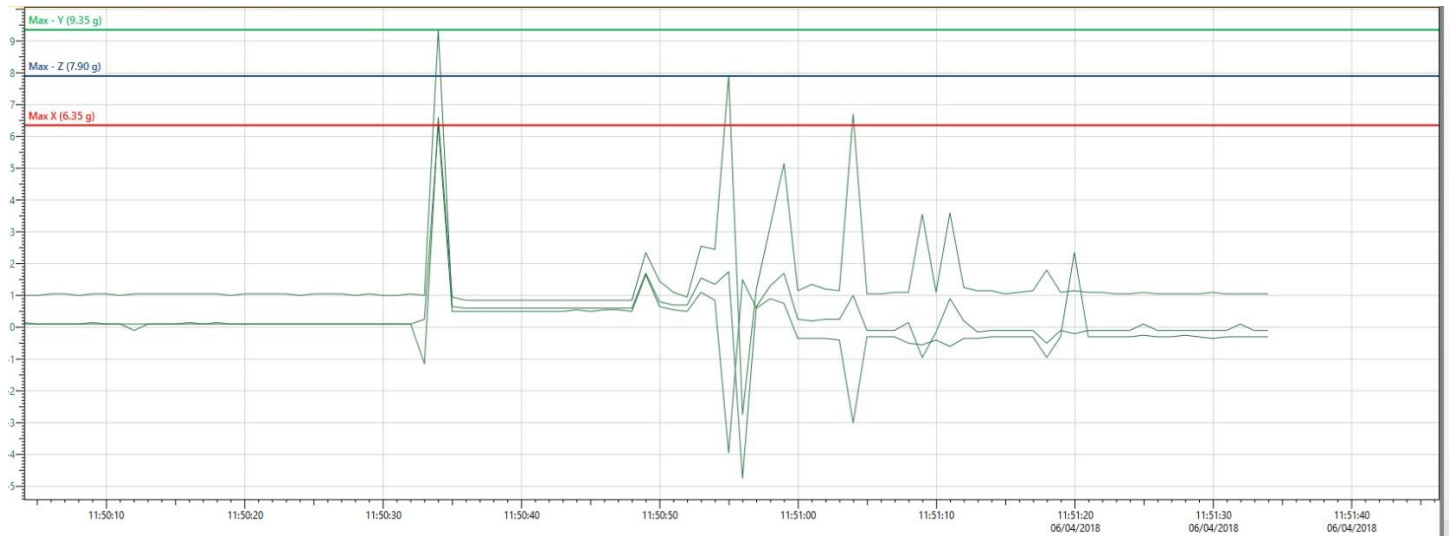
We will be using a triaxle accelerometer attached to 100kg weight where it will record the XYZ values of g force

Test Ref	Product	Height	X (G)	Y (G)	Z (G)
0304201801	Fall-Pac	2.7m	6.35	9.35	7.90
0304201802	Fall-Pac	2.7m	1.95	4.80	7.70
0404201803	Fall-pac	2.7m	1.15	6.10	7.10

Test Ref:0304201801



Test Ref:0304201802



Test Ref:0404201803

