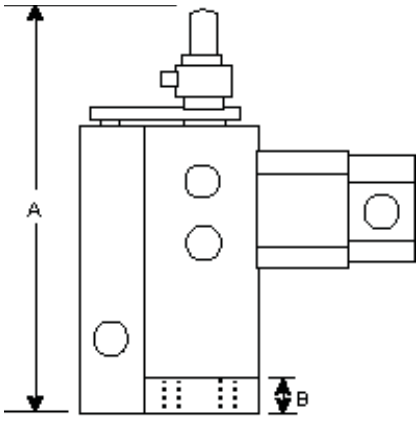
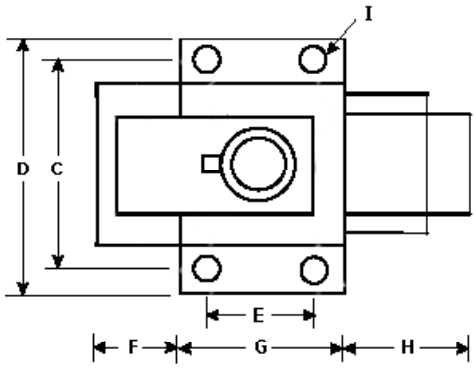
Xcite 1100 Field Test Series

The Xcite 1100 Field Test Series uses the same Exciter Heads and Master Controller as the 1100 Laboratory Series but replaces the 5 GPM 3-Phase Hydraulic Power Supply with a field portable 1.2 GPM Single Phase Power Supply. While providing the same 3000 PSI pressure, the field test unit is switch selectable from 110 V (20 A) to 220 V (10 A) single phase power.

This simplified power requirement along with the packaging of the unit in a roto-molded shipping case provide for ease of modal testing in remote areas of your facility and allows air shipment to off site test destinations. The 1100 Field Test Series is used in the power and natural gas distribution industries as well as on shipboard structure borne noise path identification.

	Xcite 1100-4-FT System	Xcite 1100-6-FT System	Xcite 1100-7-FT System
Hydraulic Power Supply	1001P 1.2 GPM (5 l/m)	1001P 1.2 GPM (5 l/m)	1001P 1.2 GPM (5 l/m)
Master Controller	1104-Mod4	1104-Mod4	1104-Mod4
Exciter Head	1106-4-T/C	1107-4-T/C	1114-4-T/C
Static Force	1,000 lb (4,450 N)	1,000 lb (4,450 N)	Total Static & Dynamic
Dynamic Force	1,000 lb (4,450 N)	1,000 lb (4,450 N)	Force =1,000 lb (4,450 N)
Stroke	1.0 in (25 mm)	2.0 in (50 mm)	1.0 in (25 m)
Rod	.75 in (18 mm)	.75 in (18 mm)	.75 in (18 mm)
Bore	1.0 in (25 mm)	1.0 in (25 mm)	1.0 in (25 mm)
Thread	.38 - 24	.38-24	.38-24
Load Cell	2,500 lb (11,125 N)	2,500 lb (11,125 N)	2,500 lb (11,125 N)
LVDT	1.0 in (25 mm)	2.0 in (50 mm)	1.0 in (25 mm)
Exciter Design	Single Ended	Single Ended	Double Ended

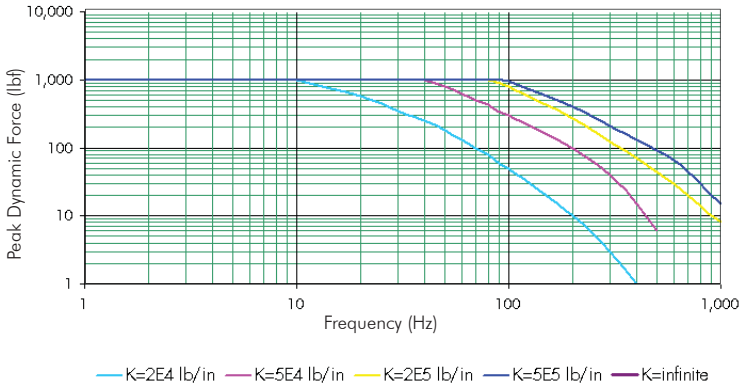




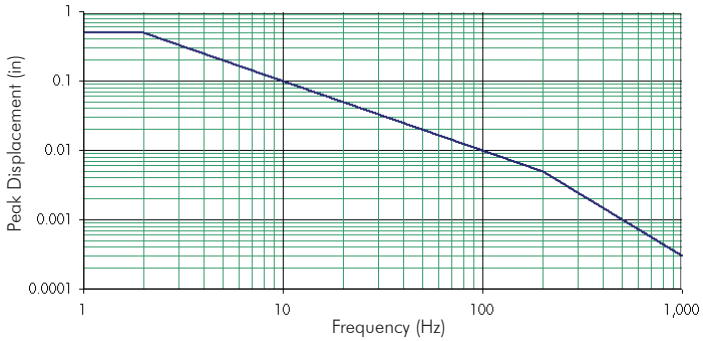
Exciter Head	A		B		C		D		E		F		G		H		I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in(dia)	mm(dia)	in(dia)	mm(dia)
1106-4-T/C	6.12	153	0.60	15	3.12	78	3.75	94	1.38	35	1.12	28	2.00	50	2.75	69	0.28	7
1107-4-T/C	7.12	178	0.60	15	3.12	78	3.75	94	1.38	35	1.12	28	2.00	50	2.75	69	0.28	7
1114-4-T/C	8.78	220	0.60	15	3.12	78	3.75	94	1.38	35	1.12	28	2.00	50	2.75	69	0.28	7

Xcite 1100-4 Field Test System
1100-6-T/C Exciter Head

Peak Dynamic Force vs. Frequency

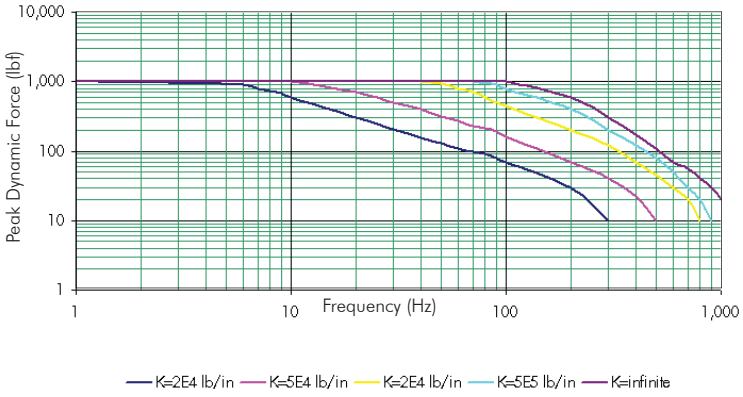


Peak Displacement vs. Frequency

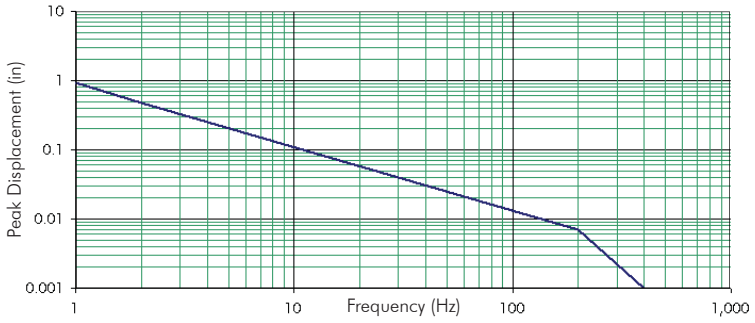


Xcite 1100-6 Field Test System
1100-7-T/C Exciter Head

Peak Dynamic Force vs. Frequency

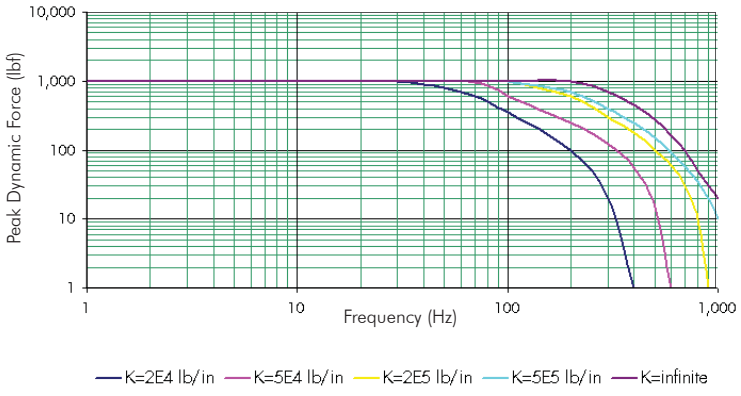


Peak Displacement vs. Frequency

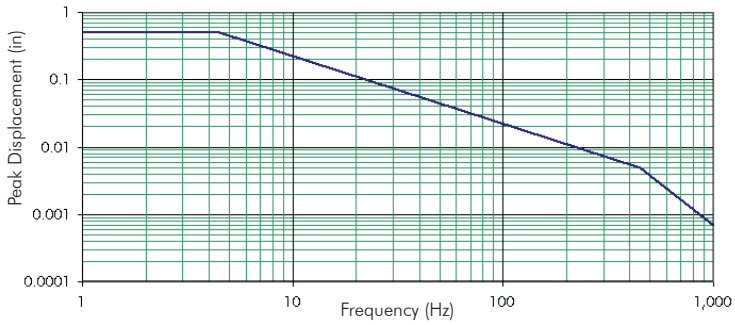


Xcite 1100-7 Field Test System
1114-4-T/C Exciter Head

Peak Dynamic Force vs. Frequency



Peak Displacement vs. Frequency



Note: The above force curve is for the Xcite 1114 Head used in Tension/Compression mode with ZERO STATIC FORCE and the load cell rigidly connected to the structure for "PUSH/PULL" operation. In Compression mode only with 500 lbs of Static Force the curves are derated to a maximum of 400-500 lbs Peak Dynamic. (Depending on the structure stiffness of the test article).