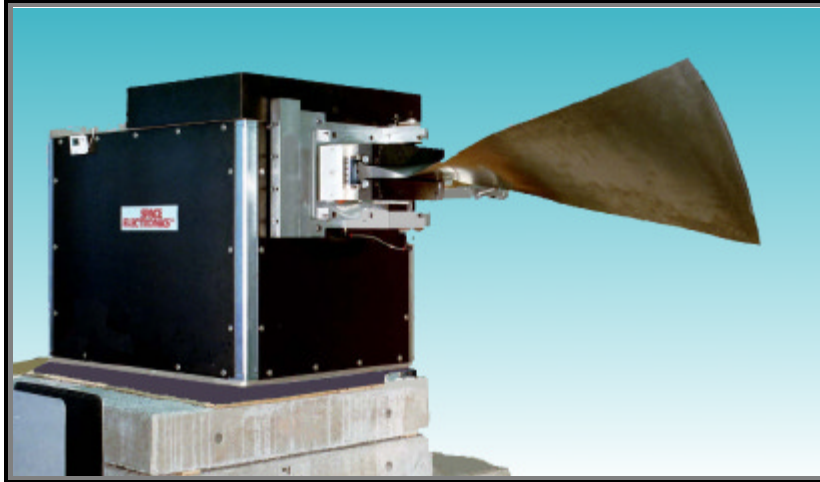


Model MW40KF Three Axis Moment Weight Scale



This remarkable instrument is at least 20 times more accurate than conventional 3-axis moment weight scales. It has a sensitivity of 0.02 oz-inch and can measure moment weight up to 30,000 oz-inch. This represents a sensitivity of 1 part in a million! This extraordinary performance is achieved by using the same technology which we use to measure satellite moments. The MW40KF machine automatically measures all three moment weight values (radial, axial, and tangential) without the need for the operator to rotate an interface plate or add range weights. An IBM compatible computer automates the measurement process and displays the measured moment weight.

Technical Specifications for Model MW40KF Moment Weight Scale

Maximum weight (including tooling)	150 lb
Range of <u>radial</u> blade moment that can be measured w/ specified accuracy *	0 to 30,000 oz-inch
Maximum <u>transverse</u> moment that can be measured	±1,000 oz-inch
Range of radial moment indication	±1,000 oz-inch
Readout sensitivity	0.02 oz-inch
Readout resolution	0.01 oz-inch
Moment linearity	0.1 oz-inch
Total radial moment measuring error ***	0.2 oz-inch
Total axial/tangential moment measuring error ***	0.2 oz-inch
Nominal mounting plate radius**	7.8745 inch
Mounting plate dimensions	ARP4773

* Combined moment of blade plus adaptor.

** Nominal distance from fulcrum to vertical adapter mounting surface

*** Tooling error is not included.

Accuracy limits assume an environment which is free from drafts, excessive vibration and has a stable temperature.