

Model MW900

Single Axis Moment Weight Scale



Technical Specifications on MW900 Moment Weight Scale

Maximum moment including adapter(fixture)	3,000 oz-inch
Full scale moment of readout (max. moment measured)	900 oz-inch
Maximum moment - extended range	5000 oz-inch
Maximum relative moment error*	0.02 oz-inch
Typical relative moment error	0.01 oz-inch
Maximum absolute moment error (0-900 oz-in)	0.04 oz-inch
Maximum absolute moment error (900-5000 oz-in)	0.1 oz-inch
Maximum weight of blade and adapter	30 lb.
Mounting plate radius**	5.000 inch
Mounting plate dimensions	A2499019

* When using a standard blade as a reference
 ** Distance from fulcrum to adapter mounting surface

The MW900 scale measures the radial moment of turbine blades. This scale uses force restoration technology and crossed-web flexure pivots and has negligible error due to blade CG height. The system includes a computer, which displays the measured moment weight. If special software features are required for interfacing with a database program (such as PWBAL), please contact us for a specific quotation.

Optional Model SE90081 Range Weight Extender Kit - This option permits blades with up to 5000 oz-in moment weight to be measured.

Optional Model SE90023B Calibration System - This calibration system bolts directly to the interface of the moment weighing system. It can be used to establish the exact radius of the mounting plate and also can be used to calibrate the moment readout and the mass scale. Accuracy of this calibration system is 5 times better than the accuracy specifications for the system. Mass and distance are traceable to NIST..