



Mass Property Golf Club Scale

We've initiated this project on the behest of a major OEM golf club assembly house who had to painstakingly measure assembled clubs coming off the production one at a time on three separate instruments! Needless to say, that process was time consuming and very labor intensive.

This led us to develop the Auditor **Mass Property Scale (MPS)**, a moment summation instrument that captures the moment and total weight of a golf club then correlate the center of gravity location (**CG**) and swing weight based on the industry standard 14" fulcrum.

Club playing length, while not an integral part of the moment summation calculation, adds an important control point to the quality control process without slowing it down. Club Length is measured using a laser tuned for the purpose.

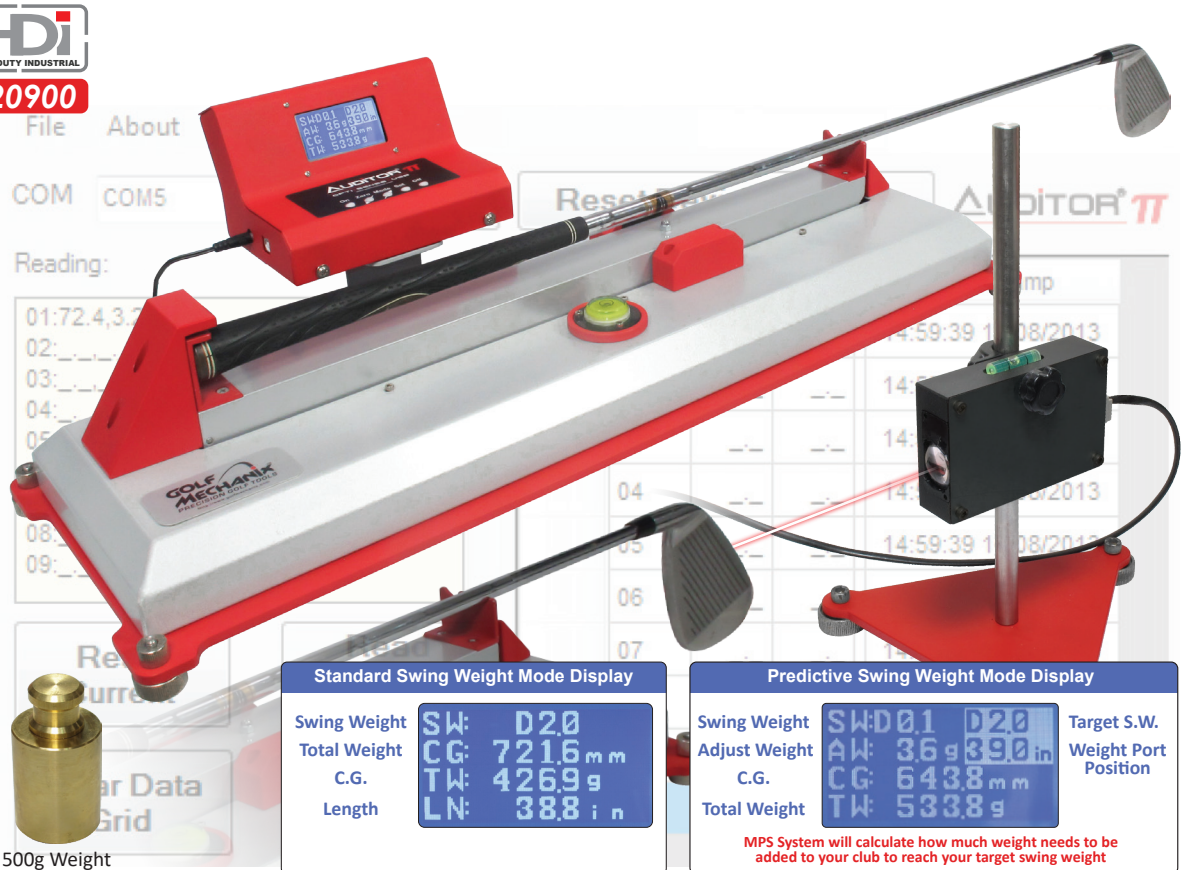
The Auditor **MPS** is printer ready and USB enabled to facilitate SPC data collection.

Key features:

- Captures and computes mass property in one step
- Scale suitable for all golf clubs including grip-less
- Captures club total weight to 0.1 gram accuracy
- Computes swing weight to 0.1 SW, A through F
- Computes CG location of club to within 1 mm
- Captures Club length to within 1 mm
- Fast damping mechanism requires no settling time
- Large LCD module provide clear data display.
- User friendly interface
- Automatic External calibration
- USB enabled (RS-232 Emulator)
- Bar code printer supported Brother TD-4000
- Data Collection Software
- Club length measurements offered as an option. using either laser sensing or our digimetric high resolution encoder (contact measurement)



▲ The Auditor MPS ships with our Auditor calibration standard which can be used to verify the total weight, swing weight, center of mass, club length.



500g Weight

Standard Swing Weight Mode Display

Swing Weight	SW: D20
Total Weight	CG: 721.6 mm
C.G.	TW: 426.9 g
Length	LN: 38.8 in

Predictive Swing Weight Mode Display

Swing Weight	SW: D0.1 D20	Target S.W. Weight Port Position
Adjust Weight	AW: 36 g 39.0 in	
C.G.	CG: 643.8 mm	
Total Weight	TW: 533.8 g	

MPS System will calculate how much weight needs to be added to your club to reach your target swing weight



▲ Barcode printer support for Brother TD-4000



▲ The Auditor MPS can capture club data on grip-less clubs as well. A grip cap compensator is built into the grip stop.