

# Scientific Model MSB Mk I Magnetic Susceptibility Balance

**Only \$16,950**

**Was \$21,195**

Code: SHEW71000000



This Balance has proven to be the ideal instrument for use in teaching laboratories throughout the world, where the reduced amounts of chemicals required for an experiment saves on material costs and minimises waste product disposal.

**Includes:** MnCl<sub>2</sub> calibration tube, 2 x 4mmØ sample tubes, software, operating manual

- Uses the Evan's method (a variant of their Guoy method)
- Measures the magnetic properties of paramagnetic and diamagnetic materials in solid, liquid and gas forms
- Simple and quick to use with digital display of result
- The technique has comparable sensitivity and is as accurate as traditional methods of measurement
- The cost of the balance is significantly lower than a complete Guoy balance system
- The instantaneous read-out can be used to calculate magnetic susceptibility using a simple equation. This gives significant time saving in both set-up and measurement
- Small sample size; normally a sample weight of around 250mg is used but by using a narrow bore sample tube, as little as 50mg is required to give an accurate measurement
- Analogue output: Using a flow cell allows a chemical reaction resulting in a change of susceptibility to be monitored dynamically. This allows new applications to be investigated, for example, redox reactions
- External power supply: the MSB is a low voltage instrument enhancing the safety aspects by removing high voltage from the detection end in contact with the sample
- Compact, lightweight and easily portable
- 12-month warranty

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Ref. Code:  
SHEW-MSB

VALID UNTIL:  
30 Apr 2024