



JR TECHNOLOGY  
LIMITED

REINFORCED PLASTICS & COMPOSITES  
PRODUCTION ENGINEERS

MW105 MICROWAVE  
MOISTURE MONITOR

THE MOST ADVANCED PORTABLE MOISTURE MEASURING INSTRUMENT IN THE WORLD

FEATURES

- No prongs, probes or electric contacts.
- Corrects the reading for density
- Can be used with virtually all materials; suitable for: powders, solids, sands, etc.
- Completely non-destructive testing
- No charts or tables required
- Rugged & reliable
- Data hold facility
- Rechargeable batteries included
- Incredibly low priced

The MW105 is the only pocket size digital microwave moisture meter in the world, which corrects the readings for density of the material. It utilises microwave absorption techniques to determine the dual dielectric constant of the moist material under test. This is the most accurate system known, as the measurement enables the density to be calculated & allowed for in the readings.

Though most instruments express the moisture as a percentage of the weight of the material containing the moisture, the actual weight of this material is ignored. The dependence of the readings, therefore, on the weight per unit volume, or density, is the largest source of error in these instruments. By a novel technique, the MW105 makes two kinds of measurements simultaneously, both of which depend on the density, though in different ways. The instrument then calculates the moisture, whilst concealing the density.

The results of the measurement are displayed in large, clear digits, with a resolution of one hundredth of a percent. A display hold facility is provided to enable the instrument to be used in dark or inaccessible positions, where the display cannot be seen whilst the measurements are being taken. No replaceable dry batteries are required & the internal Nickel Metal Hydride batteries will give approximately 6 hours of continuous use on a full charge. A convenient battery charger is available with the unit, or alternatively any constant current charger may be used. The battery condition may be indicated at any time. The instrument is reliable, tough pocket size & comes with a protective leather carrying case.



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