



## Portable, Stand-Alone

Measures duff water content in the field

### Overview

The DMM600 is a portable, battery-powered duff meter that accurately measures moisture content in duff material, which is critical to those conducting scheduled burns as well

as those attempting to battle out-of-control fires. The DMM600 is a stand-alone device. (A datalogger is not required.) A sieve, carrying case, and software are included.

### Benefits and Features

- › Measures duff water content in the field
- › Compact and easy to carry
- › Easy to use—simply place duff in chamber, turn crank, and receive a real-time reading

### Technical Description

The DMM600 uses measurement methods sensitive to the dielectric properties of the material being measured. It consists of a cylinder that houses the electronics, a sample chamber with a compression knob, and an LCD readout.

To measure duff water content, place the sample in the sample chamber and turn the compression knob until an audible indicator signals that the sample is properly

compressed and the measurement is complete. Total time for measurement is about 30 seconds. Readings are displayed in real-time only; measurements are not stored.

*The DMM600 was developed in cooperation with the USDA Forest Service, Rocky Mountain Research Station, and Missoula Technology and Development Center.*

### Specifications

Battery	9 V alkaline
Measurements per Battery	More than 2,000
Accuracy	±5% full scale range
Resolution	1% volumetric water content
Sieve Description	#4 mesh = 0.475 cm (0.187 in.)
Diameter	8.9 cm (3.5 in.)

Length	25.4 cm (10 in.)
Weight	1.7 kg (3.7 lb)

#### Typical Current Drain

Between Measurements	~3 mA (Goes into a low-power sleep mode after five minutes of inactivity.)
Sleep Mode	140 $\mu$ A



During Measurement

85 mA for ~1 ms

For comprehensive details, visit: [www.campbellsci.eu/dmm600](http://www.campbellsci.eu/dmm600) 



80 Hathern Road, Shepshed, LE12 9GX UK | +(0)1509 828888 | [sale@campbellsci.co.uk](mailto:sale@campbellsci.co.uk) | [www.campbellsci.eu](http://www.campbellsci.eu)  
AUSTRALIA | BRAZIL | CANADA | CHINA | COSTA RICA | FRANCE | GERMANY | INDIA | SOUTH AFRICA | SPAIN | THAILAND | UK | USA

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