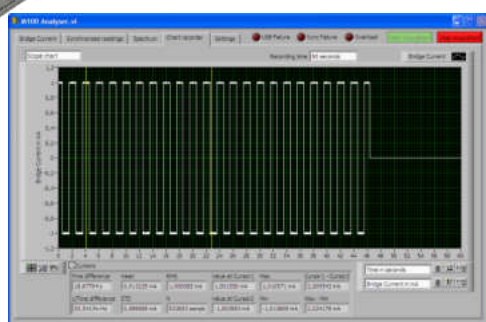# M100
Bridge mA-meter

BATEMIKA
measurement solutions

Highlights

- ❖ *Measurement of resistance-bridge current*
- ❖ **Troubleshooting and diagnostics of resistance bridge operation**
- ❖ **Improved self-heating correction**
- ❖ *DC, AC and ADC-based resistance bridges*
- ❖ *Easy integration in the measurement system*
- ❖ *Standalone battery-powered operation*
- ❖ *USB and RS232 communication interface*
- ❖ *Connection box with BNC, spade lug, bare wire and banana plug options*
- ❖ *Current waveform visualization and analysis*
- ❖ **Analysis software and LabVIEW drivers included free of charge**

Specifications Summary

Batemika M100 Bridge mA-meter	
Current ranges	2.9 mA or 15 mA (jumper selectable)
Display resolution	0.0001 mA or 0.001 mA (full resolution over remote interface)
Measurement modes	Synchronous and asynchronous mode
Bridge types	AC, DC and ADC-based bridges
Acquisition time	2 s (or at least 1 period in synchronous mode)
Settling time	30 s
Sampling frequency	5 kHz to 60 kHz (50 kHz default)
Absolute accuracy	500 ppm of range
Ratio accuracy	200 ppm
Frequency range	DC to 100 Hz, depends on measurement mode
Battery operation	24 hours

Ordering Information

Description	Order code
M100 Bridge mA-meter	BH-M001
Analysis software and LabVIEW driver *	BS-M002
Snap-on ferrite cores **	BA-G012

* Available for free-of-charge download at www.batemika.com. Source code for selected applications is available on request for qualified customers.

** Optional accessory