



# M140 Series

## Multifunction Calibrators



# Main features

- ✓ High accuracy and output for calibration of wide variety of instruments
- ✓ Built-in multi meters (lab calibrators)
- ✓ Easy recalibration using front panel keyboard
- ✓ IEEE488 / RS232 remote control

# Application



**Multi meters**  
Ranges to fit all functionality of most DMMs

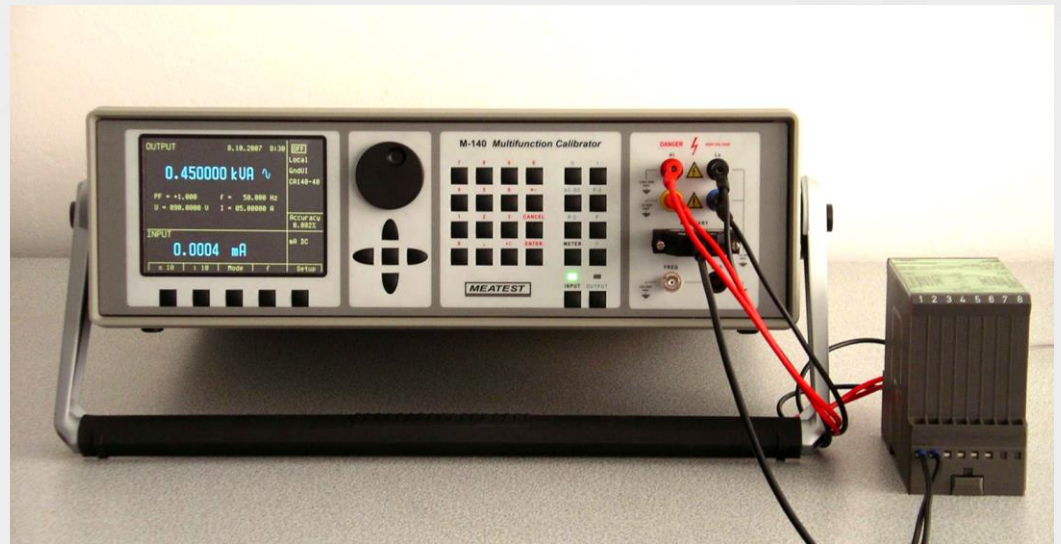
**Watt- and other meters**  
Calibration of all main electric quantities



# Application

Testing of DUTs' outputs via built-in multi meter:

- process meters
- transmitters
- regulators



# M142 Multifunction Calibrator

Highest accuracy, broad functionality



## Functions

Vac / Vdc	1000 V
Iac / Idc	30 A
Pac / Pdc	2400 W
Frequency	20 Mhz
Resistance	1 GΩ, linear
Capacitance	100 μF, linear
TC, RTD	

Accuracy  
10 ppm

Other versions  
i-version

# M140 Multifunction Calibrator

High accuracy, broad functionality



## Functions

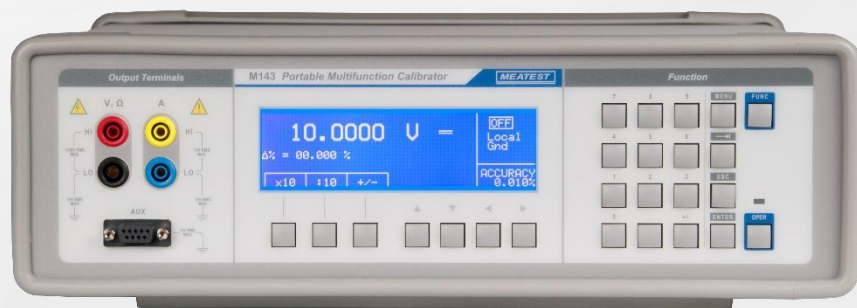
Vac / Vdc	1000 V
Iac / Idc	20 A
Pac / Pdc	2400 W
Frequency	20 Mhz
Resistance	50 MΩ, linear
Capacitance	50 μF, linear
TC, RTD	

Accuracy  
30 ppm

Other versions  
i-version

# M143 Portable Multifunction Calibrator

Compact, high output, economic



## Functions

Vac / Vdc	1000 V
Iac / Idc	20 A
Frequency	2 Mhz
Resistance	100 MΩ, dec.
TC, RTD	

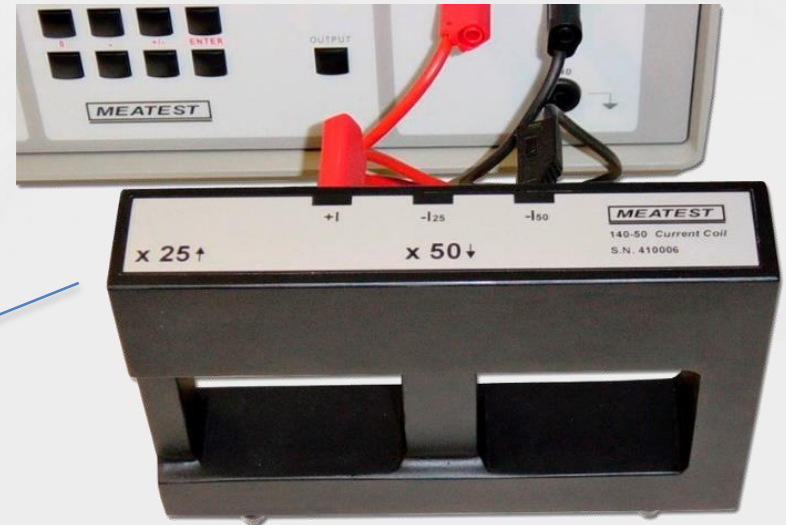
Accuracy  
60 ppm

Other versions  
i-version, RTD, GPIB

# Options



**M140-50 Current Coil**  
Clamp meter calibration



**CamOcr Module**  
Automated calibration SW



# Overview

	Type	Voltage	Current	Frequency	Impedance	Built-in multimeter	Interfaces	Accuracy
<b>M142</b>	Bench-top	1000 V	30 A	20 Mhz	1 G $\Omega$ , 100 $\mu$ F	✓	RS232, GPIB	10 ppm
<b>M140</b>		1000 V	20 A	20 Mhz	50 M $\Omega$ , 50 $\mu$ F	✓	RS232, GPIB	30 ppm
<b>M143</b>	Portable	1000 V	20 A	2 Mhz	100 M $\Omega$	–	RS232, GPIB	60 ppm