



**GREENLEE®**

A Textron Company

INNOVATION DRIVING EFFICIENCY

COMMUNICATIONS | ELECTRICAL | PIPE FITTING | PLUMBING | UTILITY

**Date:** April 2014  
**Attention:** Greenlee Sales and Distribution Partners  
**Subject:** Clamp Meters  
**From:** Richard Duke – Product Manager, Testing and Measurement

## **INTRODUCING TEN NEW CLAMP METERS - MODELS FOR GENERAL PURPOSE, HVAC & INDUSTRIAL APPLICATIONS**



### **GENERAL PURPOSE**

- 600 Amp and 1000 Amp models with AC or AC+DC current measurement
- Perform all common measurement functions such as AC + DC voltage, resistance, and frequency
- Perform continuity and diode tests

### **HVAC**

- Models with 600 or 1000 Amp AC current measurement
- Measure temperature, capacitance, and DC microamps, frequently needed for HVAC applications
- 3-wire phase sequence and motor rotation testing

### **INDUSTRIAL**

- Models with 600, 1000, or 2000 Amp AC+DC current measurement
- Capacitance and temperature measurements
- CMI-600 and CMI-1000 Measure DC microamps and have 3-wire phase sequence and motor rotation testing.

The features of each model are shown in the chart on the following page. Key points of interest include:

- All models have True RMS AC voltage and current measurements. Models with DC current capability can measure AC, DC, and AC+DC voltage and current.
- AmpTip™ design gives accurate current measurements on small wires carrying up to 60 amps. All models except CMI-2000 have this feature.

4455 Boeing Drive • Rockford, IL • 61109 • tel 815.397.7070 • tel 800.435.0786 • fax 815.387.9653 • [www.greenlee.com](http://www.greenlee.com)

GREENLEE® | GREENLEE® COMMUNICATIONS | GREENLEE UTILITY® | HD ELECTRIC COMPANY® | KLAUKE® | ROTHENBERGER | SHERMAN+REILLY™

PRODUCT ANNOUNCEMENT



- Digital filtering on all models enables accurate AC voltage and frequency measurements on Variable Frequency Drives.
- 3-Wire Phase Sequence and Motor Rotation testing on CMH-600, CMH-1000, CMI-600 and CMI-1000 eliminates the need for separate testers.
- Peak-RMS function on six models captures motor inrush current.
- Temperature measurement on all HVAC and Industrial models.
- Backlight on all models except CM-660.
- Jaw flashlight on all 1000A models.
- CMI-2000 has low impedance AutoCheck™ mode to mask “ghost voltage” pickup. It also has computer interface capability using CMSC-1U accessory.

	GENERAL PURPOSE					HVAC		INDUSTRIAL		
FEATURES	CM-660	CM-860	CM-960	CM-1360	CM-1560	CMH-600	CMH-1000	CMI-600	CMI-1000	CMI-2000
True RMS	AC	AC	AC+DC	AC	AC+DC	AC	AC	AC+DC	AC+DC	AC+DC
AutoCheck™ Mode										√
Crest					√		√		√	√
Jaw Flashlight				√	√		√		√	
Temperature (Type K)						√	√	√	√	√
Phase Sequence Test						√	√	√	√	
Motor Rotation Test						√	√	√	√	
Peak-RMS			√		√	√	√	√	√	
Backlight		√	√	√	√	√	√	√	√	√
Relative Offset Mode (Δ)		√	√	√	√	√	√	√	√	√
AmpTip™	√	√	√	√	√	√	√	√	√	
VFD ACV, Hz Measurements	√	√	√	√	√	√	√	√	√	√
Voltage Detection	√	√	√	√	√	√	√	√	√	√
Maximum / Minimum / Average	√	√	√	√	√	√	√	√	√	
Frequency	√	√	√	√	√	√	√	√	√	√
Continuity / Diode Tests	√	√	√	√	√	√	√	√	√	√
Data Hold	√	√	√	√	√	√	√	√	√	√
Automatic Power Off (APO)	√	√	√	√	√	√	√	√	√	√
RANGES	CM-660	CM-860	CM-960	CM-1360	CM-1560	CMH-600	CMH-1000	CMI-600	CMI-1000	CMI-2000
DC Microamps						2000	2000	2000	2000	2000
Capacitance		2500 uF	2500 uF	2500 uF	2500 uF	2500 uF	2500 uF	2500 uF	2500 uF	2500 uF
DC Amps			600		1000			600	1000	2000
AC Amps	600	600	600	1000	1000	600	1000	600	1000	2000
DC Volts	600	600	600	1000	1000	600	1000	600	1000	1000
AC Volts	600	600	600	1000	1000	600	1000	600	1000	1000
Resistance	60 kΩ	60 kΩ	60 kΩ	60 kΩ	60 kΩ	60 kΩ	60 kΩ	60 kΩ	60 kΩ	40 MΩ
Display Counts	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
Measurement Category Rating	CAT IV 300V; CAT III 600V	CAT IV 300V; CAT III 600V	CAT IV 300V; CAT III 600V	CAT IV 600V; CAT III 1000V	CAT IV 600V; CAT III 1000V	CAT IV 300V; CAT III 600V	CAT IV 600V; CAT III 1000V	CAT IV 300V; CAT III 600V	CAT IV 600V; CAT III 1000V	CAT IV 1000V



## Ordering Information

CAT. NO.	UPC	DESCRIPTION	PKG. QTY.
CM-660	02211	Clampmeter, AC, 600 Amps	1
CM-660-C	02233	Clampmeter, AC, 600 Amps (Calibrated)	1
CM-860	02210	Clampmeter, AC, 600 Amps	1
CM-860-C	02232	Clampmeter, AC, 600 Amps (Calibrated)	1
CM-960	02192	Clampmeter, AC/DC, 600 Amps	1
CM-960-C	02230	Clampmeter, AC/DC, 600 Amps (Calibrated)	1
CM-1360	02190	Clampmeter, AC, 1000 Amps	1
CM-1360-C	02221	Clampmeter, AC, 1000 Amps (Calibrated)	1
CM-1560	02188	Clampmeter, AC/DC, 1000 Amps	1
CM-1560-C	02219	Clampmeter, AC/DC, 1000 Amps (Calibrated)	1
CMH-600	02209	Clampmeter, AC HVAC, 600 Amps	1
CMH-600-C	02231	Clampmeter, AC HVAC, 600 Amps (Calibrated)	1
CMH-1000	02189	Clampmeter, AC HVAC, 1000 Amps	1
CMH-1000-C	02220	Clampmeter, AC HVAC, 1000 Amps (Calibrated)	1
CMI-600	02191	Clampmeter, AC/DC Industrial, 600 Amps	1
CMI-600-C	02229	Clampmeter, AC/DC Industrial, 600 Amps (Calibrated)	1
CMI-1000	02187	Clampmeter, AC/DC Industrial 1000 Amps	1
CMI-1000-C	02212	Clampmeter, AC/DC Industrial 1000 Amps (Calibrated)	1
CMI-2000	02186	Clampmeter, AC/DC Industrial 2000 Amps	1
CMI-2000-C	02207	Clampmeter, AC/DC Industrial 2000 Amps (Calibrated)	1
[A] CMSC-1U	02542	Interface Kit for CMI-2000	1
[R] TC-10	07534	Carrying Case (for 600A models)	1
[R] TC-30	07536	Carrying Case (for 1000A models and CMI-2000)	1
[R] 02714	02714	Test Leads and Clips – Red, Black and Yellow	1
[R] TSG-3	12034	Sure-Grip Test Leads	1

[A] = Accessory [R] = Replacement

02714 is the replacement test lead set for CMH-600, CMH-1000, CMI-600 and CMI-1000. TSG-3 is the replacement test lead set for all other models.



## Marketing Support

The product brochures listed below are available for download from Greenlee Advantage ([www.greenleedadvantage.com](http://www.greenleedadvantage.com)).

Printed copies can be ordered from Greenlee POD at [www.greenleelit.com](http://www.greenleelit.com).

- MA-6110 - Industrial Clamp Meters CMI-600, CMI-1000 and CMI-2000
- MA-6111 - HVAC Clamp Meters CMH-600 and CMH-1000
- MA-6112 - General Purpose Clamp Meters CM-660, CM-860, CM-960, CM-1360 and CM 1560

A Sales Training Presentation is also available on request.

A product training video will be available on Greenlee University shortly after launch.

## Availability

Standard models, accessories and replacement items are available for pre-sale, with full availability in early June. Please submit all orders on separate PO's. Models with a Certificate of Calibration are calibrated upon receipt of order.

Good Luck & Good selling!

Richard Duke

Product Manager – Testing and Measurement