


## AEMC Micro-ohmmeter Model 6250

### QUICK REFERENCE GUIDE


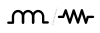
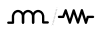

 **READ THE USER MANUAL AND COMPLY WITH ALL PRECAUTIONS FOR USE**

#### **LIST OF ERROR CODES**

<b>Err 1</b>	Low battery level
<b>Err 2</b>	Internal problem
<b>Err 3</b>	Unable to measure battery
<b>Err 4</b>	Unable to measure temperature
<b>Err 5</b>	Internal temperature too high - let the instrument cool down
<b>Err 6</b>	Unable to establish current measurement
<b>Err 7</b>	Measurement out of range
<b>Err 8</b>	Internal problem
<b>Err 9</b>	Measurement cycle stopped
<b>Err 10</b>	Temperature sensor incorrectly connected or missing
<b>Err 11</b>	Current leads incorrectly connected
<b>Err 12</b>	Voltage leads incorrectly connected or measured resistance too high
<b>Err 13</b>	Residual voltage too high
<b>Err 21</b>	Adjustment out of range
<b>Err 22</b>	Measured value out of range
<b>Err 23</b>	Entry out of range
<b>Err 24</b>	Unable to write to memory
<b>Err 25</b>	Unable to read memory
<b>Err 26</b>	Memory full
<b>Err 27</b>	Memory empty; no data available
<b>Err 28</b>	Memory check problem
<b>Err 29</b>	Object or test number incorrect

 **WARNING:** If Error message 2, 3, 4, or 8 appears, the instrument must be sent to a qualified organization for repair. See the Repair and Calibration section in the user manual for return instructions.

#### **BUTTON FUNCTIONS**

<b>2<sup>nd</sup></b>	Activates the secondary function of a button. The  symbol appears on the left side of the screen. Press this button and then press the desired button to select the secondary function.
<b>▲</b>	In SET-UP mode, selects a function or increments a flashing parameter.
<b>▼</b>	In SET-UP mode, selects a function or decrements a flashing parameter.
<b>▶</b>	In SET-UP mode, accesses the function to be modified. In Wrap-Around mode, selects the parameter to be modified (from left to right).
<b>■</b>	In SET-UP mode, shifts the decimal point and selects the unit.
<b>PRINT</b>	Immediate printing of the measurement to a serial printer. If the temperature compensation function has been activated, the calculated result and the temperatures involved are also printed.
<b>PRINT MEM</b>	Retrieves stored data for printing (this function is independent of the setting of the switch) except in the OFF and SET-UP positions.
<b>R (⊖)</b>	Activates or deactivates the temperature compensation function to calculate the resistance measured at a temperature other than ambient measurement temperature.
<b>ALARM</b>	Activates or deactivates the alarms. High or low triggering values are adjusted in SET-UP.
	Selects the desired measurement mode prior to starting one of the following measurements: Inductive mode (continuous test), non-inductive mode (instantaneous test) or non-inductive mode with automatic triggering (multiple tests).
<b>METAL</b>	Selects the metal type for the temperature compensation calculation: Cu, Al, or Other metal.
<b>MEM</b>	Stores the measurement at an address identified by an object number (OBJ) and a test number (TEST). Two presses on this button are required, one to select the location (use the <b>▲</b> and <b>▶</b> buttons to change the location) and another to store the measurement.
<b>MR</b>	Retrieves stored data (this function is independent of the selector setting of the switch) except for the OFF and SET-UP positions. Data is viewed using the <b>▲</b> and <b>▶</b> buttons. The <b>R (⊖)</b> ,  and <b>ALARM</b> buttons can be used.
	Turns the display backlight ON or OFF.
<b>•••))</b>	Activates or deactivates the buzzer and adjusts the sound level.

## PROGRAMMING MENU

	Parameter to be Modified	Key	Display			Value	Changing of Values
			Main*	Secondary	Symbol		
▲ (1 <sup>st</sup> push)	<b>RS</b> communication	▶	Prnt	rS	-	Prnt / OFF / tri9 / PC / ut100 + rate	- type of communication : successive presses of ▲ - adjustment of baud rate : ▶ then ▲
▲ (2 <sup>nd</sup> push)	<b>BUZZ</b> buzzer sound level	▶	-	BUZZ	(((•••)))	Low / High or OFF	- successive presses of ▲
▲ (3 <sup>rd</sup> push)	<b>EdSn</b> display of serial no.	▶	<i>number</i>	EdSn	-	-	- 3 presses of ▶ displays full serial number
▲ (4 <sup>th</sup> push)	<b>EdPP</b> display of firmware rev.	▶	<i>number</i>	EdPP	-	-	- press ▶ display version number
▲ (5 <sup>th</sup> push)	<b>Lan9</b> printing language	▶	L9 F	Lan9	-	F / 9b	- press ▲ selects language
▲ (6 <sup>th</sup> push)	<b>trEF</b> reference temp.	▶	<i>value</i>	trEF	°C or °F	-10 to 55°C	- press ▶ to change the digit - press ▲ to change the value of the digit
▲ (7 <sup>th</sup> push)	<b>tAnb</b> ambient temp.	▶	nPrb	tAnb	°C or °F	Prb or nPrb if nPrb : -10 to 55°C	- with or without temperature probe : press on ▲ - If nPrb : ▶ then - press on ▶ to change the digit - press on ▲ to change the value of the digit
▲ (8 <sup>th</sup> push)	<b>nEtA</b> metal selection	▶	<i>value</i>	nEtA	Cu or Al or Other metal	Cu or Al or Other metal	- successive presses of ▶
▲ (9 <sup>th</sup> push)	<b>ALPH</b> Other metal coeff.	▶	<i>coeff. value</i>	ALPH	Other metal	0 to 100.00 (10 <sup>-3</sup> /°C)	- press ▶ to change the value of the digit - press ▲ to change the value of the digit
▲ (10 <sup>th</sup> push)	<b>dE9</b> temperature unit	▶	dE9c	dE9	-	dE9c (°C) or dE9F (°F)	- press ▲
▲ (11 <sup>th</sup> push)	<b>ALAr</b> alarms (values and directions)	▶	<i>value</i>	ALAr	ALARM + (((•••)))	ALARM 1 or 2 ▲ or ▼ 5mΩ to 2500Ω	- choice of parameter to change : successive presses on ▶ - modification of parameter : ▲
▲ (12 <sup>th</sup> push)	<b>LI9H</b> duration of backlighting	▶	t=1	LI9ht	-	1 min / 5 min / 10 min or OFF	- press ▲
▲ (13 <sup>th</sup> push)	<b>nEn</b> clear memory	▶	dEL	nEn	-	dEL or dEL O (all memory or object)	- press ▲ then ▶

\* Displays Shown are the Default Conditions