AEMC® Instruments Micro-Ohmmeter Model 6255
QUICK START GUIDE

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

LIST OF ERROR CODES

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

2nd	Activates the secondary function of a button. The 2nd symbol appears on the left side of the screen. Press this button and then press the desired button to select the secondary function.
▲	In SET-UP mode, selects a function or increments a flashing parameter.
▼	In SET-UP mode, selects a function or decrements a flashing parameter.
►	In SET-UP mode, accesses the function to be modified. In Wrap-Around mode, selects the parameter to be modified (from left to right).
■	In SET-UP mode, shifts the decimal point and selects the unit.
PRINT	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.
PRINT MEM	Retrieves stored data for printing (this function is independent of the setting of the switch) except in the OFF and SET-UP positions.
R (Θ)	Activates or deactivates the temperature compensation function to calculate the resistance measured at a temperature other than ambient measurement temperature.
ALARM	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).
METAL	Selects the metal type for the temperature compensation calculation: Cu, Al, or Other metal.
MEM	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 ▲ and ► buttons to change the location) and another to store the measurement.
MR	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 ▲ and ► buttons. The **R (Θ)**, and **ALARM** buttons can be used.
☀	Turns the display backlight ON or OFF.
	Activates or deactivates the buzzer and adjusts the sound level.

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PROGRAMMING MENU

	Parameter to be Modified	Key	Display			Value	Changing of Values
			Main*	Secondary	Symbol		
▲ (1st push)	**RS** communication	▸	Prnt	rS	-	Prnt / OFF / tri9 / PC / ut100 + rate	- type of communication : successive presses of ▲ - communication rate defaults to 9600, adjustment of rate : ▶ then ▲
▲ (2nd push)	**BUZZ** buzzer sound level	▸	-	BUZZ	((•))	Low / High *or* OFF	- successive presses of ▲
▲ (3rd push)	**EdSn** display of serial no.	▸	*number*	EdSn	-	-	- 3 presses of ▶ displays full serial number
▲ (4th push)	**EdPP** display of firmware rev.	▸	*number*	EdPP	-	-	- press ▶ display version number
▲ (5th push)	**Lan9** printing language	▸	L9 F	Lan9	-	F / 9b	- press ▲ selects language
▲ (6th push)	**trEF** reference temp.	▸	*value*	trEF	°C or °F	-10 to 55°C	- press ▶ to change the digit - press ▲ to change the value of the digit
▲ (7th push)	**tAnb** 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
▲ (8th push)	**nEtA** metal selection	▸	*value*	nEtA	Cu *or* Al *or* Other metal	Cu *or* Al *or* Other metal	- successive presses of ▶
▲ (9th push)	**ALPH** Other metal coeff.	▸	*coeff. value*	ALPH	Other metal	0 to 100.00 (10^{-3}/°C)	- press ▶ to change the value of the digit - press ▲ to change the value of the digit
▲ (10th push)	**dE9** temperature unit	▸	dE9c	dE9	-	dE9c (°C) *or* dE9F (°F)	- press ▲
▲ (11th push)	**ALAr** alarms (values and directions)	▸	*value*	ALAr	ALARM + ((•))	ALARM 1 *or* 2 ▲ or ▼ 5mΩ to 2500Ω	- choice of parameter to change : successive presses on ▶ - modification of parameter : ▲
▲ (12th push)	**LI9H** duration of backlighting	▸	t=1	LI9ht	-	1 min / 5 min / 10 min *or* OFF	- press ▲
▲ (13th push)	**nEn** clear memory	▸	dEL	nEn	-	dEL *or* dEL O (all memory or object)	- press ▲ then ▶

**Displays Shown are the Default Conditions*

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▲ (2nd push)	**BUZZ** buzzer sound level	▸	-	BUZZ	((•))	Low / High *or* OFF	- successive presses of ▲
▲ (3rd push)	**EdSn** display of serial no.	▸	*number*	EdSn	-	-	- 3 presses of ▶ displays full serial number
▲ (4th push)	**EdPP** display of firmware rev.	▸	*number*	EdPP	-	-	- press ▶ display version number
▲ (5th push)	**Lan9** printing language	▸	L9 F	Lan9	-	F / 9b	- press ▲ selects language
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▲ (7th push)	**tAnb** 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
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