C.A 6250 MICROHMETER

READ the user manual carefully

COMPLY WITH the precautions for use

FUNCTIONS OF THE KEYS

The secondary functions of the keys (written in yellow Italics below each key) can be accessed by a short press on the yellow key, then on the key concerned.

Activate the secondary function of a keys. The 2nd symbol appears on the screen.

Before starting the measurement, select the desired measurement mode: inductive mode, non-inductive mode or non-inductive mode with automatic triggering.

Select the metal for the temperature compensation calculation: Cu, Al, or Other metal

Activate/deactivate the temperature compensation function to calculate the resistance measured at a temperature other than the measurement temperature.

Activate/deactivate the alarms. The directions and high or low triggering values are adjusted in SET-UP.

Store the measurement at an address identified by an object number (OBJ) and a test number (TEST).
Two presses on MEM are required = confirmation of the location (can be changed using the ▲▼ and ▸ keys), then storage.

Retrieve stored data (this function is independent of the setting of the switch) except in the OFF and SET-UP positions.
The data are viewed using the ▲▼ and ▸ keys. The R(θ) and *ALARM* keys can be used.

In SET-UP mode, select a function or increment a flashing parameter.

In SET-UP mode, select a function or decrement a flashing parameter

Select the parameter to be modified (in wraparound mode, from left to right). In SET-UP mode, access the adjustments of a function.

In SET-UP mode, shift the decimal point and select the unit.

Immediate printing of the measurement to a serial printer. If the temperature compensation function has been activated, the calculated result and the temperatures concerned are also printed.

Print stored data to a serial printer.
1st press: the starting OBJ:TEST number appears on the secondary display and the ending number on the main display (they can be changed using the ▲▼ and ▸ keys); press PRINT again to start printing.

Activate/deactivate the backlighting of the display unit

Activate and adjust the sound level/deactivate the audible signal.

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PROGRAMMING MENU

	Parameter to be modified	key	display		
			main	secondary	symbol
▲ (1st push)	**RS** communication	▶	Prnt	rS	-
▲ (2nd push)	**BUZZ** buzzer sound level	▶	-	BUZZ	
▲ (3e push)	**EdSn** display of serial no.	▶	number	Edsn	-
▲ (4e push)	**EdPP** display of program no.	▶	number	EdPP	-
▲ (5e push)	**Lan9** printing language	▶	L9F	Lan9	-
▲ (6e push)	**trEF** reference temp.	▶	value	trEF	°C
▲ (7e push)	**tAnb** ambient temp.	▶	nPrb	tAnb	°C
▲ (8e push)	**nEtA** metal selection	▶	value	nEtA	Cu or Al or Other metal
▲ (9e push)	**ALPH** Other metal coeff.	▶	coeff. value	ALPH	Other metal
▲ (10e push)	**dE9** temperature unit	▶	dE9c	dE9	-
▲ (11e push)	**ALAr** alarms (values and directions)	▶	value	ALAr	ALARM + 
▲ (12e push)	**Ll9H** duration of backlighting	▶	t = 1	Ll9ht	-
▲ (13e push)	**nEn** erasure of memory	▶	dEL	nEn	-

value	changing of values
Prnt / OFF / tri9 / PC / ut100 + rate :	- type of communication : successive presses on ▲ - speed regulation : ▶ then ▲
Low / hight or OFF	- successive presses on ▲
-	-
-	-
Fr / 9b	- press on ▲
-10 ... 55°C	- press on ▶ to change the digit - press on ▲ to change the value of the digit
Prb or nPrb si nPrb : -10 ... 55°C	- presence r absence of sensor : press on ▲ - if nPrb : ▶ then - press on ▶ to change the digit - press on ▲ to change the value of the digit
Cu or Al or Other metal	- successive presses on ▶
0 ... 100,00 (10^{-3}/°C)	- press on ▶ to change the digit - press on ▲ to change the value of the digit
dE9c (°C) or dE9F (°F)	- press on ▲
ALARM 1 or 2 / ▲ or ▼ / 5mΩ to 2500Ω	- choice of parameter to change : successive presses on ▶ - modification of the parameter : ▲
1mn / 5mn / 10mn or OFF	- press on ▲
dEL or dEL O (all memory or object)	- press on ▲ then ▶

MICRO-OHMMETRE C.A 6250

LIST OF CODED ERRORS

Err 1	Battery charge too low
Err 2	Internal problem
Err 3	Impossible to measure battery charge
Err 4	Impossible to measure temperature
Err 5	Internal temperature too high - Let the instrument cool down
Err 6	Measuring current not established
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-circuit wires incorrectly connected
Err 12	Voltage-circuit wires incorrectly connected or measured resistance too high
Err 13	Residual voltage too high
Err 21	Adjustment out of bounds
Err 22	Measured value out of bounds
Err 23	Edition out of bounds
Err 24	Cannot write to back-up memory
Err 25	Cannot read in back-up 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 switched off and sent to a qualified organization for repair.

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