

# Capacitance meter type NCM-20

## GENERAL INFORMATION

The capacitance meter NCM-20 is designed to measure capacitor units in a capacitor bank without removing any connecting wire between capacitor units. This measurement is used to locate capacitor units having blown fuses.

NCM-20 has 3 capacitance ranges and a 3<sup>1</sup>/<sub>2</sub>-digit display. Thus it is possible to achieve a 0.05 % resolution between 1 and 2000  $\mu\text{F}$ .



# Making a capacitance measurement



NCM-20 has two voltage clips by which the test current is supplied into the bank. The voltage output is short-circuit proof.

The current in each capacitor unit is measured with a current clamp. The capacitance of the unit is shown on the digital display in microfarads. Thus the measurement is made very rapidly without any manual balancing procedure.

#### ACCESSORIES supplied with every meter

- Clamp-on current transformer (100 mm opening)
- Voltage clips with 1 m cable and connector
- 1 pc carrying strap for display unit
- 1 pc suspension strap for generator unit
- Instruction manual
- Battery charger 230VAC/18VDC 50/60Hz

#### SPECIFICATIONS

Ranges	Range	Display
	2000 $\mu\text{F}$	0...1999 $\mu\text{F}$
	200 $\mu\text{F}$	0...199.9 $\mu\text{F}$
	20 $\mu\text{F}$	0...19.99 $\mu\text{F}$
<b>Loading capacitance</b>	2000 $\mu\text{F}$ max.	
<b>Measuring frequency</b>	111.86 Hz	
<b>Measuring voltage</b>	1.41 Vrms	
<b>Error</b>	$\pm 1$ % of reading $\pm 2$ digits	
<b>Resolution</b>	0.05 % between 1 and 2000 $\mu\text{F}$	
<b>Temperature range</b>	$-10...+50^{\circ}\text{C}$	
<b>Dimensions</b>	450 x 350 x 250 mm	
<b>Weight</b>	appr. 9.5 kg	

In line with our policy of on-going product development we reserve the right to alter specifications.