

KUSAM-MECO LEAKAGE AC CLAMPON METER

“KUSAM-MECO”–On Meter Model-KM 2007. It can measure upto 100A AC Current in 4 ranges 40mA, 400mA, 4A, 100A (50-60Hz) with 1.5% +2 digit accuracy & AC Voltage upto 600V with + _ 1.5% +5 digit accuracy & the Resistance measuring range is 400 with 1.2% +3 digit accuracy. It has 3 digit LCD display with maximum 4000 reading. In this meter over load protection for Current is 1A, 10A, 100A, 500A respectively & for Voltage DC 600V/AC 600V rms. It also has functions like Peak Hold, Continuity Test with buzzer sound. It has low Pass Filter function. The sampling Speed is 2.5 times per second. It meets IEC 1010-1 & IEC 1010-1-32 CAT III 600V Safety Standard. A Special feature of the meter is the Low Pass filter. It has a high frequency selector switch : This switch is designed to select “WIDE” “50/60Hz” “WIDE” to 1KHz. AC current having a fundamental waveform and harmonics can be measured over this range. “50/60Hz” response of 40Hz to 100Hz and therefore permits measurement of AC current of fundamental frequency only by filtering harmonic content. When in doubt as to the presence of harmonics you can identify it by using frequency selector switch. To give an example, the following shows the result of AC current measurement on an earthing wire within a switch box where there is an inverter based airconditioner is connected at summertime. Model 2007 reads higher value Current with the frequency selector switch set at the “WIDE” “50/60Hz” switch position. The difference between the two readings is considered leakage current caused by harmonics. It can also test the leakage current flowing into single phase, 3-wire circuit, other than those connected with the inverters in the building. This meters operates on 9V battery with 200 hours Battery life. It’s dimension is 250(L) x 85(W) x 35(H) mm & weight about 342 g (including battery). This meter is supplied with User’s manual, Carrying Case, Test lead & Battery. For more details contact : KUSAM ELECTRICAL INDUSTRIES LTD G- 17, Bharat Industrial Estate, T.J. Road, Sewree (W) Mumbai – 400015. INDIA. Tel : (022) 24124540, 24181649. Sales Direct : (022) 24156638 Fax : (022) 24149659 E-mail : kusam_meco@vsnl.net Website : www.kusam-meco.co.in/ www.kusamelectrical.com