

GX-1 CRYSTAL RF PROBE

OPERATION MANUAL

KIKUSUI ELECTRONICS CORP.

1. GENERAL

The GX-1 is a crystal RF probe to measure the voltage of a high frequency over 50 kHz by applying in substituting manner to VOLT-OHM METERS such as KIKUSUI ELECTRONICS MODEL 107B and 107C, etc.

This probe is small input capacitance and can be used up to 200 MHz.

2. SPECIFICATION

Type ;	GX-1 Negative wave peak value indication
Dimensions ;	Diameter 20 mm Length 133 mm (over 750 mm including the cable)
Weight ;	Approx. 110 grams
VOLT-OHM METERS to which the probe is applicable;	Kikusui Electronics Model 107B " " Model 107C
Accuracy ;	$\pm 10\%$ of RMS value against 50 kHz sine wave voltage.
Input capacitance ;	1.7 PF maximum
Maximum Input Voltage ;	AC 70 Vp-p, DC 400 V
Ambient Temperature ;	0 ~ 50 °C

3. OPERATIONAL INSTRUCTION

- 3.1 Operate the VOLT-OHM METER in the switch position of
「+ DC VOLTS」 for GX-1.
- 3.2 Take off the probe (G-1) from the VOLT-OHM METER and attach
GX-1 Crystal RF Probe.
- 3.3 Scale reading; The RMS value of sine wave is read from 「DCV scale」.
Negative or positive wave peak value is obtained by
multiplying the reading of 「DCV scale」 by $\sqrt{2}$ (= 1.4).
One half of 「P-P scale」 below 「DC or RMS scale」 cor-
responds with the aforementioned value.