

OPERATION MANUAL FOR FREQUENCY COUNTER

THIS UNIT IS A SOLID EIGHT DIGITALS METER FOR FREQUENCIES BETWEEN 10Hz TO 1200 MHz. A GATE CHANGE CIRCUIT AND UHF (1200MHz) DIVIDER PROVIDES THE POSSIBILITY OF MEASURING WITH A DIGITS ACCURACY. ON THE LED DISPLAY A DECIMAL POINT IS GIVEN ON ITS LEFT SIDE THE MHz DIGITS ARE SHOWN. IF THE EXCESSIVE DATA LED LIGHTS UP. THE LOWER DIGITS ARE SHOWN ACCURATELY WHILE THE HIGHER ONES ARE OUTSIDE OF THE DISPLAY.

FOR POWER SUPPLY IS USED AN EXTERNAL ADAPTOR GIVING 9-11V DC AND 500 mA MINIMUM.

MEASUREMENT:

FIRST CONNECT A SUITABLE ADAPTOR WITH THE FREQUENCY COUNTER, THEN SWITCH IT ON. SWITCH THE RANGE SWITCH EITHER TO HF OR VHF, DEPENDING ON WHAT INPUT RANGE YOU ARE PLANNING TO USE. IF YOU NOW APPLY THE TEST SIGNAL, THE FREQUENCY IS SHOWN ON THE DISPLAY. USING THE SWITCH GATE TIME YOU CAN SWITCH THE GATE TIME FROM 0.1 SEC. (X1) TO 1 SEC. (X10). IN THE UHF RANGE THE LAST TWO DIGITS ARE NOT ON DISPLAYED.

PLEASE MAKE SURE THAT THE VOLTAGE OF THE TEST SIGNAL IS IN THE GIVEN RANGE. IF THE VOLTAGE IS TOO HIGH OR TOO LOW YOU HAVE TO USE EITHER A POTENTIAL DIVIDER OR A PRE-AMPLIFIER.

SPECIFICATION:

FREQUENCY RANGE:	HF 10Hz TO 15 MHz VHF 10MHz TO 1.2GHz
INPUT VOLTAGE:	35mV. NOMINAL, 3V MAXIMUM
GATE TIMES:	0.1 SEC. 1 SEC.
DEFINITION:	HF 1 Hz/UHF 10Hz
INPUT IMPEDANCE:	HF 1 MOHM UHF 50 OHM
OPERATION TEMPERATURE:	-0 TO 40C
POWER SUPPLY:	9-11V, 500mA
INPUT SENSITIVITY:	35mV (10Hz TO 1.2GHz)