

# OPERATION MANUAL FOR FREQUENCY COUNTER

THIS UNIT IS A SOLID SEVEN DIGITALS METER FOR FREQUENCIES BETWEEN 10HZ TO 200MHZ. A GATE CHANGE-OVER CIRCUIT AND VHF (200MHZ) DIVIDER PROVIDES THE POSSIBILITY OF MEASURING WITH A DIGITS ACCURACY. ON THE LED DISPLAY A DICIMAL 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 7-10V DC AND 200 MA MINIMUM.

## MEASUREMENT:

FIRST CONNECT A SUITABLE ADAPTOR WITH THE FREQUENCY COUNTER, THAN 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 VHF 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 25MHZ VHF 10MHZ TO 200MHZ
INPUT VOLTAGE:	50 MV. NOMINAL, 3V MAXIMUM
GATE TIMES:	0.1 SEC. 1 SEC.
DEFINITION:	HF 1 HZ/VHF 10HZ
INPUT IMPEDANCE:	HF 1 MOHM VHF 50 OHM
OPERATION TEMPERATURE:	0 TO 40C
POWER SUPPLY:	7-10V, 200MZ