Crystal/Oscillator Tester/Frequency Counter
(10Hz to 600MHz)

Freq. Count.

In

Back light
S8

+9V

Cry./Osc.
S5

Int./Ext.
S6

+9V
100Ma

Power jack

Power
S1

Test
S2

78L05

+5V

Range   S3

On (On)

.33

.1

16 15   13   9

Binary/Direct
S4

9 Volt

Full can

1   14

7   8

MC14060BCP

+9V

Out

Prescaler
1/10

Prescale
S7

1   8

4   5

1   10 11   8   12

In

Half Can

Oscillator
Sockets

1 Meg

BNC (Input)

Test Crystal

Notes:
1. MC14060 is a binary counter/oscillator. A CD4060 can be used.
2. Crystal oscillators placed in the DIP sockets can be read to a frequency of 60 MHz.
3. Crystals can be read direct or divided by 512 or 1024 with the range switch.
4. The frequency counter and prescaler are built from kits.
5. The Int./Ext. switch allows independent use of the frequency counter.
6. The prescaler extends the Freq. Counter range from 60 MHz to 600 MHz.

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