



OMEGA TYPE DFC-018 is a multifunction digital instrument. Apart from measuring frequency, it is also capable of measuring frequency ratio of two signals and their time intervals and period. This instrument is based on an advanced design which is centered around an LSI IC. This low cost equipment is rigid enough to be used as a general purpose test equipment by hobbyists, laboratories & manufacturers.

FEATURES

- 01 It accepts a wide range of analogue and digital signals.
- 02 TTL or CMOS compatible inputs provided.
- 03 The frequency of its reference oscillator can also be displayed for checking whether the oscillator works or not.
- 04 Separate LED for overflow indication.
- 05 Simple operation.
- 06 Reset facility on the panel.
- 07 Housed in a low profile attractive case.

SPECIFICATIONS

- 01 FREQUENCY MEASUREMENTS (INPUT-A)
 - 01 Max. Frequency = 10 MHz.
 - 02 Frequency displayed in KHz.
 - 03 Input level for AC input > 80mV.
 - 04 Input level for DC input = Standard TTL or CMOS levels.
 - 05 Resolution down to 1 Hz.
- 02 PERIOD MEASUREMENTS (INPUT-A)
 - 01 Range = 0.5 μ Sec. to 10 Sec.
 - 02 Max. frequency = 2 MHz.
 - 03 Period displayed in μ Sec.

03 FREQUENCY RATIO MEASUREMENTS (INPUT-A, INPUT-B)

- 01 Max. Frequency=2 MHz.
- 02 Frequency of signal applied to input A should be higher than that applied to input B.
- 03 The pulse transition on input A should occur before that on input B.

04 TIME INTERVAL MEASUREMENTS (INPUT-A, INPUT-B)

- 01 Max. Frequency = 2 MHz.
- 02 Measures time interval between positive edges of signals applied to input A&B.

05 ACCUMULATION TIME/CYCLES

- 01 Range 1 = 0.01 Sec./1 Cycle.
- 02 Range 2 = 0.1 Sec./10 Cycles.
- 03 Range 3 = 1 Sec./100 Cycles.
- 04 Range 4 = 10 Sec./1000 Cycles.

06 READ OUT

- 01 8-digit LED Display.
- 02 Display is multiplexed at 500 Hz and a duty factor of 0.122 per digit.
- 03 Non-significant zeros blanked in frequency and period modes.

07 POWER

REQUIREMENT :230V \pm 10% at
50 Hz A.C. Mains

08 Weight

: 3 Kg. (Approx)

09 Dimension

: W 145 x H 140 x D 200

10 Strongly supported by detailed Operating Instructions.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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