

8030

8030



* FEATURES

- 1 Frequency measuring range : 0.1 Hz to 100 MHz in A input / 80 MHz to 3.0 GHz in C input
- Period, Total and RPM measurement for input A
- 9 Digit display with 0.01 mHz resolution in 1 Sec (By Ext. Reference Signal)
- RS-232C serial interface function for communicating with computer
- High sensitivity External reference input function (Higher than 1.5 Vrms)
- Reciprocal technique for high resolution at low counting frequencies
- Self check function executed to perform a automatic self diagnosis of various counter function
- Push scanning for selecting Function and Gate time
- Low-pass filter(100 kHz -3 dB) installed for removing noise signal in low frequency measuring
- AC/DC coupling function (Selectable AC/DC Coupling)
- 10/1 Input Attenuation (Selectable x1/x10 Attenuator)
- Data hold function

| Function | Specification |
|--|---|
| <input type="checkbox"/> Display | |
| Display | 9 digit large green LED display, Overflow, Gate time, mHz, Hz, kHz, MHz, ns, uS, mS, S, HOLD |
| <input type="checkbox"/> Frequency Measurement | |
| Range | 0.1Hz to 100MHz(A in) , 80MHz to 3.0GHz(C in) |
| Gate Time | 0.01Sec, 0.1Sec, 1Sec, 10Sec |
| Resolution | 1nHz ~ 10Hz |
| Accuracy | +/- Resolution +/- TimebaseError +/- 1count |
| <input type="checkbox"/> Input Characteristics | |
| Terminal | A , C |
| Sensitivity | A input: 30mVrms , C input: 25mVrms(80-150MHz), 20mVrms(150MHz-2.0GHz) 40mVrms(2.0GHz-3.0GHz) |
| Impedance | A input: 1 Mohm, □40pF , C input : 50 ohm |

To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc.
 Click here>> www.raeservices.com/services/quote.htm

| | |
|---|---|
| Max. Input Voltage | A input: 250mVrms, C input: 3Vrms |
| Attenuator | A input: x1, x10 |
| Low Pass Filter | A input: 100kHz, -3dB |
| <input type="checkbox"/> Multi Function for input A | |
| Period | Range : 10mSec to 10Sec Resolution : 1pSec to 1nSec depending on Gate time and Input Signal Accuracy : +/- Resolution +/- Trigger Error +/- 1count |
| Totalize | Range : 5Hz to 10MHz Count capacity : 0 to 999999999(Max) |
| RPM | 6 RPM ~ 900 x 10 ⁶ RPM |
| <input type="checkbox"/> Time Base Characteristics | |
| Internal Timebase | - Frequency : 10MHz TCO (TCXO ; Option) - Aging Rate : Less than 5x10-6/month - Temp. Stability : Less than 5 x10-6 (0 to +50°C) - Line Voltage : Less than 1x10-6 for 10% variation |
| Frequency Standard Output | - Frequency : 10MHz - Amplitude : 1.5Vp-p - Impedance ; Approx. 600 ohm |
| External Standard Input | - Frequency : 10MHz - Input Level : 1.5Vrms to 5Vrms - Impedance ; Approx. 600 ohm |
| <input type="checkbox"/> General | |
| Power Requirement | 115V or 230VAC +/- 10% ,48 to 66Hz |
| Operating Temperature | 0 to 50 °C (Accuracy specified at 25 +/- 5 °C) |
| Dimension | 240(W) x 270(D) x 90(H)mm |
| Weight | Approx. 2.5 kg |
| Standard Accessories | Power cord, BNC cable, Fuse, Instruction manual |