

Universal Counter

TFC-3000U is a digital universal frequency counter which can measure input frequency from 1Hz to 3,000MHz. As high speed processor built in, it can have a detailed resolution to 100 μ Hertz when frequency is above 1Hz input. High stable TCXO is inserted in TFC-3000U, so accurate frequency measurement can be obtained even units work for a long period. Additional function includes pulse totalizing, input signal period measuring are also built in unit.



TFC-3000U 1Hz~3000MHz

Specifications:

- Display: 8 digits LED display.
- Frequency unit: Red led for Hz, KHz, MHz, GHz indication.
- Period unit: Red led for mS, μ S, nS indicator.
- Frequency range: 1Hz - 3,000MHz.
- Pulse totalizing signal timing measurement: 1 - 999999999.
- Gate time: 0.01s, 0.1 sec, 1 sec, 10 seconds.
- Accuracy: 1 \pm error of time base.
- Stability: < 5ppm (0 - 50°C).
- Resolution: 1nHz (10⁻⁶Hz) - 100Hz.
- Internal clock frequency: 20MHz (TCXO).
- Frequency range:
 - (A) 1Hz - 20MHz.
 - (B) 100KHz - 120MHz.
 - (C) 80MHz - 3,000MHz.
- Sensitivity:
 - (A) 50mVrms.
 - (B) 25mVrms.
 - (C) 50mVrms.
 - (D) 1,000mVrms for 2.7GHz - 3GHz (TFC-3000U only).
- Maximum input level:
 - (A), (B) 250V p-p.
 - (C) 5Vp-p.
- Power consumption: AC 110V / 220V \pm 10% 15 watt.
- Fuse rating:
 - 0.5A for 110 ~ 120V operation.
 - 0.25A for 198 ~ 242V operation.
- Weight: App. 2.2kgs.