

# RF Power Meter Hand-Held Frequency Counter

2700 □ FC250

## 2700 3-1/2 Digit Hand-Held RF Power Meter

- Battery operated for measuring power from 10MHz to 2GHz
- Measures RF power continuously to 0.5W
- Meter Hold and easy push-button zeroing service
- Ideal for field use and bench service



**2700**

## FC250 Hand-Held Frequency Counter

- Hand-held and battery operated
- Measures frequencies to 2.5GHz in 3 measurement ranges
- Large 8 digit LCD display
- High sensitivity on all ranges
- MIN/MAX/AVG functions
- Relative frequency measurements
- Period measurement
- Auto power-off and data hold



**FC250**

## ■ SPECIFICATIONS

### [ 2700 ]

Frequency Range: 10MHz to 2GHz

RF Input Power Ranges: 2mW, 20mW, 200mW, 2000mW

Best Resolution: 1µW

Accuracy:

+20°C to +30°C:

±10%FS for 10MHz to 1GHz

±15%FS for 1GHz to 2GHz

+10°C to +40°C:

±15%FS for 10MHz to 1GHz

±20%FS for 1GHz to 2GHz

Max. Input/Protection: 500mW continuous no damage,

1W for 10 seconds

Input Connector: Type N

General Specifications

Operating Temperature: +10 to +40°C

Storage Temperature: -20 to +70°C

Size: 6.3" H x 3.5" W x 1.8" D

Weight: 2 lbs

Power: (2) 9V batteries

### [ FC250 ]

Frequency Measurement

Ranges:

CH A: 50MHz to 2500MHz

CH B: 10MHz to 500MHz

CH C: 10Hz to 10MHz

Best Resolution:

10MHz range: 0.1Hz

500MHz range: 10Hz

2500MHz range: 100Hz

Frequency Accuracy: ±(4PPM + 1d)

Period Measurement: (CH C only) 10Hz to 10MHz

Input

Sensitivity:

CH A (50MHz to 75MHz): ≤ 100mV RMS

CH A (76MHz to 2500MHz): ≤ 50mV RMS

CH B (10MHz to 35MHz): ≤ 120mV

CH B (36MHz to 350MHz): ≤ 50mV

CH B (351MHz to 450MHz): ≤ 120mV

CH C: ≤ 50mV

Input Impedance:

CH A & B: 50Ω

CH C: 1MΩ + 30pF

Maximum Input V:

CH A & B: 5V P-P

CH C: 250V P-P

Input Coupling: AC

Input Connector: BNC

Timebase

Frequency: 4.194MHz quartz crystal

Stability: 0.1°C/°C

General Specifications

Operating Temperature: 0 to 50°C at relative humidity of 90% or less

Power: (4) 1.5V AA batteries

Power Consumption: 105mA max

Size: 6.8" H x 3.1" W x 1.4" D

Weight: 12 oz

Supplied Accessories: Manual

Optional Accessories: Antenna, BNC Cable to Alligator clips