

FREQUENCY COUNTERS



RF Tracer 1MHz - 3GHz Model F-2700



Features

- Pocket-size
- Built-in speaker to output alert tone.
- Vibration motor and earphone for silent detection.
- 5 section RSSI bar graph to show relative RF signal strength.
- Low power consumption (average 8 hour battery life).
- Supplied with NiCd pack, AC wall charger, 7-section telescopic antenna and earphone.

Specifications

Frequency range	1MHz - 3GHz
Impedance	50Ω (BNC socket)
Case	Stamped aluminum w/ black anodized finish
Power	9VDC, 300mA
Battery	Internal 5 x "AA", 600mAH NiCd pack
Dimensions	4" (H) x 2 11/16" (W) x 1 1/4" (D)
Weight	8.1 oz.

Smart RF Counter 30MHz - 2.8GHz Model F-2900



Features

- 7-digit liquid crystal display
- Frequency counter for digital, on/off keying and analog signals with a minimum pulse width of 250μs.
- Ultra-sensitive, synchronous detector - 16-section bar graph to show RF signal strength (-35dBm to 0dBm).
- Two range positions - the 1GHz position for frequencies between 30MHz and 0.8GHz and the 2.8GHz position for frequencies between 500MHz and 2.8GHz.
- Squelch adjustment for input signals.
- Hold switch to lock display.
- Low battery indicator, low power consumption (average 5 hour battery life).

Specifications

Frequency range	30MHz - 2.8GHz
Impedance	50Ω (BNC socket) VSWR less than 2:1
Sensitivity	Less than 5mV
Maximum input	15dBm
Resolution	10kHz for digital signals or on/off keying and 1kHz for analog signals.
Battery / power	Internal 4 x "AA", 600mAH NiCd pack / 9VDC, 300mA
Dimensions / weight	3 3/16" (H) x 2 11/16" (W) x 1 1/4" (D) / 7.5 oz.

Frequency Counter 1MHz - 3GHz Model F-2800



Specifications

Frequency range	1MHz - 3GHz
Impedance	50Ω (BNC socket)
Case	Stamped aluminum w/ black anodized finish
Power	9VDC, 300mA
Battery	Internal 4 x "AA", 600mAH NiCd pack
Dimensions	3 3/16" (H) x 2 11/16" (W) x 1 1/4" (D)
Weight	7.5 oz.

Features

- 10-digit liquid crystal display
- Hold switch to lock display
- Ultra-sensitive, synchronous detector - 16-section bar graph to show RF signal strength.
- High-speed 300MHz direct counter with 0.1Hz resolution.
- Four selectable gate speeds
- Low power consumption (average 6 hour battery life).
- Supplied with NiCd pack, AC wall charger, 7-section telescopic antenna.
- Low battery indicator

Frequency Counter 10Hz - 3GHz Model F-2850



Specifications

Frequency range	10Hz - 3GHz
Impedance	One dual-purpose BNC socket 50Ω input for range 1MHz to 3GHz 1MΩ input for range 10Hz to 50MHz
Power	9VDC, 300mA
Battery	Internal 4 x "AA", 600mAH NiCd pack
Dimensions	3 15/16" (H) x 2 11/16" (W) x 1 1/4" (D)
Weight	8.8 oz.

Features

- 10-digit liquid crystal display
- Hi-Z low range
- Ultra-sensitive, synchronous detector - 16-section bar graph to show RF signal strength.
- High-speed 300MHz direct counter with 0.1Hz resolution.
- Filter to prevent display of random noise.
- Automatic hold, LED back light, beeper.
- Four selectable gate speeds
- Low power consumption (average 6 hour battery life).
- Supplied with NiCd pack, AC wall charger, 7 section telescopic antenna.
- Low battery indicator

RF Finder 1MHz - 3GHz Model F-2875



Specifications

Frequency range	1MHz - 3GHz
Impedance	50Ω (BNC socket)
Time base	Less than 1ppm at room temperature
Case	Stamped aluminum w/ black anodized finish
Power	9VDC, 300mA
Battery	Internal 4 x "AA", 600mAH NiCd pack
Dimensions	4" (H) x 2 11/16" (W) x 1 1/4" (D)
Weight	9 oz.

Features

- 10-digit liquid crystal display
- Ultra-sensitive, synchronous detector - 16-section bar graph to show RF signal strength.
- High-speed 300MHz direct counter with 0.1Hz resolution.
- Filter to prevent display of random noise.
- Automatically holds and tunes ICOM CI-V or AOR receivers.
- LED back light and beeper
- Four selectable gate speeds
- Low power consumption (average 6 hour battery life).
- Supplied with NiCd pack, AC wall charger, 7-section telescopic antenna.
- Low battery indicator

10 Function 1.3GHz Universal Bench Counter Model F-1300

The **F-1300** is a modern microcontrolled counter designed for a wide range of service and laboratory applications. The unit features 10 main functions: Frequency, Period, Totalize, RPM, Time (max, min, avg), Math and Pulse Width. All functions are displayed on large green LED digits. It is housed in a rugged lightweight case. This counter features a low pass filter which enables the limitation of high frequency noises from low-frequency measurements.



Features

- Frequency - .05Hz to 1.3GHz 3 Ranges
- Period - Can read 60Hz to 60.000000 F = 1/T
- Totalize - Counts to 199,999,999
- RPM - 3 to 2099994 RPM
- Duty cycle
- Max. / min. / avg. with time
- Stopwatch set .2 sec to 100 hrs.
- Math functions
- Timer - 2 sec to 99 days
- Pulse width - 0.1μs to 66666.6ms

Specifications

CH-A	
Frequency	0.05Hz to 120MHz
Impedance	1MΩ shunted by less than 40pF
Sensitivity	25mVrms (5Hz - 50MHz)
Filter	Low pass, -3dB point of 100kHz
Period	1999999.9μs to 0.0083μs
Totalize	0 - 200MHz
Ratio	CH-A (frequency) / CH-B (frequency)
A-B	CH-A (frequency) - CH-B (frequency)
R.P.M.	3 to 2099994 RPM
Duty	0.01% to 99.99%
Pulse	0.1μs to 66666.6μs
CH-B	
Frequency	10Hz to 2.5MHz
Sensitivity	TTL level
Impedance	<100kΩ shunted by <100pF
CH-C	
Frequency	50MHz to 1.3GHz pre-scaled by 64
Impedance	50Ω
Sensitivity	15mV (-17.4 dbm)
General	
Time base crystal control:	10MHz
Aging rate:	±10ppm/year
Display:	9 digit 0.56" seven-segment digits
Power requirement:	115V, 230V (±15%)
Dimensions:	3 29/32" (H) x 10 13/16" (W) x 11 11/16" (D)
Weight:	4 lbs. 3.2 oz.