

PHILIPS

PM6614 520 MHz UNIVERSAL COUNTER



FEATURES

- 10 Hz - 520 MHz frequency range
- 100ns time resolution
- 10mV sensitivity
- 9 digit bright display for high resolution
- Portability with optional battery
- Noise free LF measurements with low pass filter
- Noise suppression and overload protection by unique AGC circuit
- BCD and D/A output options
- Separate HF and LF inputs with appropriate impedance and filters
- Rugged construction inside and out for reliable field use.
- Frequency, period, period average, ratio and totalizing
- Choice of 4 high stability timebases.

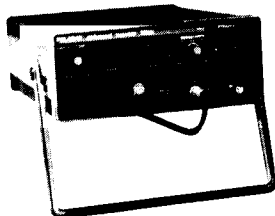
SPECIFICATIONS

Frequency: 10 Hz - 520 MHz (pulses to 0.1 Hz)
 Gate times: 10ms - 10s in decade steps
 Resolution: 0.1 Hz - 100 Hz in decade steps
 Period resolution: 100ns (single), 100 ns/100 or 10,000 (average)
 Multiple ratio: A or B/C 10 Hz - 520 MHz/1 KHz - 10 MHz
 Count accumulation: During manual start/stop to 10^{-9}
 Counting pulse pair resolution: 12 ns
 Check Mode: 10 MHz clock applied to Input A
 Input A: 1 MOhm//25pF AC coupled
 Sensitivity: 10mV_{rms}
 Attenuation: Continuously variable (1X - 400X)
 Overload: Protected 12V_{rms} 1 MHz
 Input B: 50 Ohms AC coupled
 Automatic attenuation: To 62dB
 Overload: Protected 12V_{rms}
 Input C: About 10 KOhms AC coupled
 50V_{rms} protected
 Short circuit proof, AC coupled oscillator output
 Size and Weight: 3.5" H x 8.3" W x 12.8" D Weight: 6.2 pounds
 Philips Model PM6614 520 MHz universal counter ... \$ 1225.00
 Optional accessories:
 PM9673 - Battery, internal mounting ... \$ 210.00
 PM9674 - BCD output ... \$ 250.00
 PM9678 - TCXO timebase ... \$ 135.00
 PM9679 - High stability timebase ... \$ 270.00
 PM9690 - Very high stability timebase ... \$ 595.00
 * Upgrading to more stable timebase can be done at any time by replacing timebase



PHILIPS

PM6615 1 GHz UNIVERSAL COUNTER



FEATURES

- 10 Hz - 1 GHz frequency range
- 100 ns time resolution
- 1 mV sensitivity
- 9 digit bright display for high resolution
- Portability with optional battery
- Noise free LF measurements with low pass filter
- Noise suppression and overload protection by unique AGC circuit
- BCD and D/A output options
- Separate HF and LF inputs with appropriate impedance and filters
- Rugged construction inside and out for reliable field use
- Frequency, period, period average, ratio and totalizing
- Choice of 4 high stability timebases

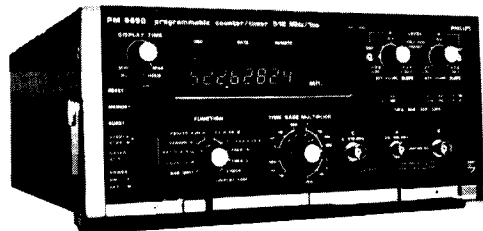
SPECIFICATIONS

Frequency: 10 Hz - 1GHz (pulses to 0.1 Hz)
 Gate times: 10ms - 10s in decade steps
 Resolution: 0.1 Hz - 100 Hz in decade steps
 Period resolution: 100 ns (single), 100 ns/100 or 10,000 (average)
 Multiple ratio: A or B/C 10 Hz - 1 GHz / 1 KHz - 10 MHz
 Count accumulation: During manual start/stop to 10^{-9}
 Counting pulse pair resolution: 12 ns
 Check mode: 10 MHz clock applied to Input A
 Input A: 1 MOhm//25pF AC coupled
 Sensitivity: 10 mV_{rms}
 Attenuation: Continuously variable (1X - 400X)
 Overload: Protected 12V_{rms} > 1 MHz
 Input B: 50 Ohms AC coupled
 Overload: Protected 12V_{rms}
 Input C: About 10 KOhms AC coupled 50 V_{rms} protected
 Short circuit proof, AC coupled oscillator output
 Size and Weight: 3.5" H x 8.3" W x 12.8" D Weight: 6.2 pounds
 Philips Model PM6615 1 GHz universal counter ... \$ 1499.00
 Optional accessories:
 PM9673 - Battery, internal mounting ... \$ 210.00
 PM9674 - BCD output ... \$ 250.00
 PM9678 - TCXO timebase ... \$ 135.00
 PM9679 - High stability timebase ... \$ 270.00
 PM9690 - Very high stability timebase ... \$ 595.00
 * Upgrading to more stable timebase can be done at any time by replacing timebase



PHILIPS

PM6650 512 MHz PROGRAMMABLE COUNTER/TIMER



FEATURES

- DC - 512 MHz
- 9 digit bright display for high resolution
- AGC with hysteresis compensation for elimination of noise triggering
- 10 millivolt sensitivity
- Frequency, period, period average, time interval, time interval average, multiple ratio, count and scaling
- Programmable option for all functions
- BCD and analog output options
- Choice of high stability oscillators

SPECIFICATIONS

Frequency: DC to 512 MHz, Normal or Burst
 Gate times: 100 ns - 100s in decade steps
 Period resolution: 10 ns (single); 10 ns/1 - 10^8 in decade steps (period average)
 Time interval: 40 ns - 30 years
 Time interval average: 100 ps - 10s
 Intervals averaged: 1 - 10^8 in decade steps
 Multiple ratio: A/B, DC - 160 MHz/DC - 10 MHz
 Counting accumulation to 10^9
 Pulse resolution: 2.5 ns minimum width
 Scaling: A/N from 1 - 10^9 in decade steps
 Inputs: A and B: 1 MOhm//25pF or 50 Ohm
 50mV sensitivity; DC to 160 MHz; AC or DC coupling; Trigger slope and level set; Trigger monitor outputs: Common or separate; 230V_{rms}(1 MOhm), 12V(50 Ohm),
 Input C: 50 Ohm, 5 MHz - 512 MHz; 10mV sensitivity; AGC attenuation; AC coupled; LED indication of trigger level
 Supply: 100 - 130V and 200 - 260V (RMS)
 Size and Weight: 5.3" H x 12" W x 16" D Weight: 19.8 pounds
 Philips Model PM6650 512 MHz programmable counter/timer ... \$ 3455.00
 Optional accessories:
 PM9680A - TCXO timebase ... \$ 395.00
 PM9681 - Ultra high stability timebase ... \$ 595.00
 PM6634 - Microwave converter (12.6 GHz) ... \$ 3600.00
 PM9684 - BCD output card ... \$ 375.00
 PM9685 - Programmable input card ... \$ 265.00
 PM9687 - Analog output card ... \$ 495.00
 Note: Upgrading to more stable timebase can be done at any time by replacing timebase

