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TECHNICAL PRODUCT INFORMATION

Test & measurement instruments

- ▶ high - quality
- ▶ moderate prices
- ▶ excellent precision

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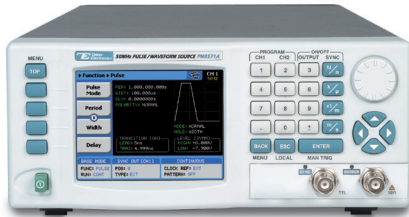
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MODELS PM8571/2A

50MHz Single/Dual Channel Pulse Waveform Generators

- 50MHz Single / Dual Channel Pulse / Pattern generator
 - 100MHz Function Generator for standard waveforms
 - 300MS/s, 16Bit Arbitrary Waveform / Sequence Generator
 - 10ps pulse resolution with 4ns transition time
 - 32Vpp into open circuit with programmable impedance
 - 16-Bit Digital Pattern Generator with programmable level
 - AM, FM, FSK, ASK, PSK, PWM and sweep
 - Powerful sequence generator links and loops segments
- in user-defined fashion. Stores up to 10 different sequence tables
 - High resolution 3.8" User Friendly color LCD display
 - Ethernet, USB and GPIB interfaces
 - Waveforms transfer and storage through USB/CD/DVD
 - "Drop-in" Emulators for: Fluke 80/1, HP8116, HP8112, HP8160, HP8165, Tabor 8500, Tabor 8550/1

Model PM8571/2A is very high performance, dual channel pulse/pattern generator that stretch normal pulse generators' spec to the limit, becoming by far the most advanced pulse waveform generator available in the market. In addition to its high performance pulse features, the new PM8571/2A generate a complete array of standard, arbitrary and sequenced waveforms which are necessities in today's laboratories.

Versatile Pulse Controls

If your application requires more than just a fixed duty cycle or programmable pulse width, then you can modulate and control your leading edge with any standard or arbitrary waveform shape. Combine all of these features with external pulse width control and you have an extremely versatile pulse generation tool.

Extremely Accurate Resolution

Need to control pulse transitions and placement? Just program each channel to output pulses with linear or fast transitions and control edge placement with 10ps resolution.

High Speed Function Generator

Care to use the instrument as a function generator? No need to calculate complex waveforms because the PM8571/2A does the work for you. Select the standard waveforms tab and start generating any of ten waveforms that are pre-computed and available for immediate use. Included are: sine, triangle, square, pulse, ramp, sinc and others at frequencies up to 100MHz.

32Vp-p Into Open Circuit

While typical pulse/function generators come with 10Vp-p into 50Ω, model PM8571/2A provides an unmatched output of up to 20Vp-p into 50Ω (32Vp-p into open circuit). On top of that, the PM8571/2A output impedance can be programmed simply either from the front panel or through remote to fit the UUT requirement.

Trigger Jitter

Many applications require accurate triggering capabilities, with a trigger jitter of less than 100ps the PM series offers unprecedented triggering accuracy enabling users to implement various testing scenarios.

Store / Recall (Memory stick/CD/DVD)

The new PM series is equipped with a USB host enabling the loading and saving of setups and waveforms from various memory storage devices such as USB stick, CD ROM and DVD. This allows the user to instantly upload the waveforms and setup to the instrument without the need of a PC or Laptop.

Emulating Legacy Products

Model PM8571/2A implements command emulators to both new and discontinued Pulse and Function Generators sold in the market, providing smooth transition for all the aging automatic test systems that face obsolescence and maintenance problems. The unique feature will allow clients to easily "drop-in" the PM8571/2A in slots vacated by out-of-order Agilent, Fluke, HP, LeCroy, Tabor, Tektronix or Wavetek models, solving TPS programmers' replacement issues.

MODELS PM8571/2A

50MHz Single/Dual Channel Pulse Waveform Generators

Waveform Memory

Waveform memory is the internal scratchpad where the waveforms reside. Larger memory banks provide for longer waveforms. One can use the entire memory (up to 4M) for a single waveform or split the length to smaller segments. In this case, many waveforms can be stored in the same memory and replayed, one at a time, when recalled to the output. The memory segmentation feature may be combined with a sequence generator that can take different memory segments and link (and loop) them in any order as required for the test. The ability to loop waveform segments in a sequence can save a lot of memory and extend the capability of the generator to produce longer, more complex waveforms. The PM8571/2A has a sequence generator for each of its output channels that can be loaded with unique sequences.

Signal Integrity

As technology evolves and new devices are developed each day, faster and more complex signals are needed to simulate and stimulate these new devices. With its wide sample clock generator range (up to 300MS/s), 16-bit vertical resolution and wide output bandwidth (over 100MHz), one can create mathematical profiles, download the coordinates to the instrument and regenerate waveforms without compromising signal fidelity and design integrity.

16-Bit Digital Pattern Generator

16-bits are available as digital patterns from a rear-panel VHDC connector. The standard output level is LVDS which is efficient and sufficient for high speed digital data transmissions, however, programmable levels and impedances can be achieved by using a standard external accessory.

Inter-Channel Control (PM8572A Only)

In the PM8572A, both channels share a common sample clock, and both channels are triggered from the same source assuring tightly synchronized channel-to-channel timing. Precise control over channel-to-

channel phase offset is achieved by allowing control over channel start phase with a resolution down to as small as 1 waveform point. This enables extremely accurate timing or phase dependencies to be studied, such as those found in high speed digital communication systems.

Smart, Small and Cost Effective Solution

The PM8571/2A offers unmatched performance even compared to instruments designed to generate fewer types of signals. Its smart, compact, 2U 1/2 rack size box design will allow designers and manufacturers to conserve substantial bench space, while benefiting from high performance, high bandwidth, signal integrity, reliability and the flexibility to adapt to a full spectrum of applications, for many years to come, offering unprecedented integration levels, which make it the best in its category for size-price-performance.

Easy to use

A large and user-friendly 3.8" back-lit color LCD display facilitates browsing through menus, updating parameters and displaying detailed waveform information. Combined with a numeric keypad, cursor position control and a knob, the front panel controls simplify the operation of this universal waveform source.

Remote Control

Access speed is an increasingly important requirement for test systems. Ethernet, USB and GPIB interfaces are available so that the most suitable interface for the application may be selected. Remote control of instrument functions, parameters and waveform downloads is easily tailored to specific system environments regardless of whether control is via a laptop computer or full-featured ATE system. IVI drivers and factory support will speed up system integration and minimize test development time and costs.

Remote Calibration

Normal calibration cycles in the industry range from one to three years where instruments are sent to a service center, opened to allow access to trimmers, calibrated and certified for repeated usage. Leading-edge technology was employed on the PM8571/2A to allow calibration from any PM8571/2A remote interface such as USB, GPIB or LAN. Calibration factors are stored in a flash memory thus eliminating the need to open instrument covers.

Multi-Instrument Synchronization

Multiple PM8571/2A can be synchronized using a Master-Slave arrangement allowing users to benefit from the same high quality performance in their multi-channels needs.

Multiple Environments to Write Your Code

The PM8571/2A comes with a complete set of drivers, allowing you to write your application in various environments including: Labview, CVI, C++, VB and MATLab. You may also link the supplied dll to other Windows-based API's or use low-level SCPI commands to program the instrument, regardless if your application is written for Windows, Linux or Macintosh operating systems.

ArbConnection

ArbConnection is a powerful software package that allows you to easily design any type of waveform and control the instrument functions, modes and features via a graphical user interface (GUI). Whether you need to generate output using a built-in waveform, a hand sketched or played back waveform, a pulse pattern, a serial data string, a modulated carrier or even an equation, ArbConnection provides you the editing tools which makes virtually any application possible.

MODELS PM8571/2A

50MHz Single/Dual Channel Pulse Waveform Generators

Specification

CONFIGURATION

Output Channels 1/2, semi-independent

PULSE

Type: Normal, Complement, Inverted, Linear transitions
Mode: Single, Delayed, Double, Fixed and External Width.

PERIOD PARAMETERS

Range: 20ns to 10s
Resolution:
 Continuous 11 digits
 Gated, and Burst 3 digits
Accuracy:
 Continuous Same as reference
 Gated, and Burst $\pm 3\%$ of programmed value
RMS Jitter:
 Continuous $< (10\text{ppm} + 20\text{ps})$
 Gated, and Burst $< (100\text{ppm} + 20\text{ps})$

PULSE WIDTH, DOUBLE PULSE

Range: 8ns to 10s
Delay: 0 to 10s
Resolution: 10ps; limited by 5 digits
Accuracy: $\pm(3\%$ of setting + 500ps)
RMS Jitter: $< (100\text{ppm} + 15\text{ps})$ RMS

FIXED DUTY CYCLE MODE

Mode: Output duty cycle remains constant regardless of pulse width setting
Range: 1% to 99%.
Accuracy: $\pm(3\%$ of setting + 500ps).

OUTPUT LEVELS

Mode: High/Low, Amplitude/Offset, Positive, Negative.
Amplitude:
 Standard 16mV to 16Vpp, into 50 Ω ;
 32mV to 32Vpp, into open Z
 Option 3 21mV to 20Vpp, into 50 Ω ;
 42mV to 32Vpp, into open Z
 Option 4 16mV to 10Vpp, into 50 Ω ;
 32mV to 20Vpp, into open Z High Level
Range:
 Standard -7.983V to +8V, into 50 Ω ;
 -15.966V to +16V, into open Z
 Option 3 -9.979V to +10V, into 50 Ω ;
 -15.958V to +16V, into open Z
 Option 4 -4.983V to +5V, into 50 Ω ;
 -9.966V to +10V, into open Z

Low Level Range:

Standard -8V to +7.983V, into 50 Ω ; -16V to +15.966V, into open Z
 Option 3 -10V to +9.979V, into 50 Ω ;
 -16V to +15.958V, into open Z
 Option 4 -5V to +4.983V, into 50 Ω ; -10V to +9.966V, into open Z
Resolution: 4 digits.

PULSE PERFORMANCE

Transition Time:
 Fast
 16mV to 16Vpp $< 5\text{ns}$ (typically $< 4\text{ns}$)
 16Vpp to 20Vpp $< 6\text{ns}$
 Linear Selectable
Aberration:
 16mV to 10Vpp $< 5\%$, typ.
 10Vpp to 20Vpp $< 8\%$
Impedance: 50 Ω , programmable

LINEAR TRANSITION TIMES

Range: 5ns to 5ms, in 6 overlapping ranges
In-range Span: 20:1
Resolution: 4 digits
Linearity: $\pm 3\%$ of setting above 100ns
Accuracy: $\pm(10\%$ of setting + 2ns).

EXTERNAL WIDTH CONTROL

DESCRIPTION: The pulse shape can be recovered whilst the period and width of an external input signal are maintained
Input: Rear panel TRIG IN connector

STANDARD WAVEFORMS

Waveforms: Sine, Triangle, Square, Pulse, Ramp, Sine(x)/x, Gaussian, Exponential, Repetitive Noise and DC
Frequency Range:
 Sine 100 μHz to 100MHz
 Square, Pulse 100 μHz to 62.5MHz
 All others 100 μHz to 31.25MHz

SINE

Start Phase: 0-360°
Phase Resolution: 0.01°
Harmonics Distortion, 3Vp-p (typ.):
 DC to 2.5MHz $< -55\text{dBc}$
 2.5MHz to 25MHz $< -50\text{dBc}$
 25MHz to 40MHz $< -40\text{dBc}$
 40MHz to 50MHz $< -35\text{dBc}$
 50MHz to 100MHz $< -28\text{dBc}$
Non-Harmonic Distortion:
 DC to 50MHz $< -70\text{dBc}$
 50MHz to 100MHz $< -65\text{dBc}$

Total Harmonic Distortion:

DC to 100kHz 0.1%
Flatness (1kHz):
 DC to 1MHz 1%
 1MHz to 10MHz 3%
 10MHz to 25MHz 5%
 25MHz to 80MHz 10%
 80MHz to 100MHz 15%

Phase Noise (8 points Sine, Max. SCLK)

100Hz Offset -80dBc/Hz
 1kHz Offset -89dBc/Hz
 10kHz Offset -92dBc/Hz
 100kHz Offset -112dBc/Hz
 1MHz Offset -140dBc/Hz

TRIANGLE

Start Phase Range: 0-360°
Phase Resolution: 0.01°
Timing Ranges: 0%-99.9% of period

SQUARE

Duty Cycle Range: 0% to 99.9%
Timing Ranges: 0%-99.9% of period
Rise/Fall Time:
 16mV to 16Vpp $< 5\text{ns}$ (typically $< 4\text{ns}$)
 16Vpp to 20Vpp $< 6\text{ns}$
Aberration:
 16mV to 10Vpp $< 5\%$, typ.
 10Vpp to 20Vpp $< 8\%$

SINC (Sine(x)/x)

"0 Crossings": 4-100

GAUSSIAN

Time Constant: 10-200

EXPONENTIAL PULSE

Time Constant: -100 to 100

DC

Range: -8V to 8V, standard
 -10V to 10V (with option 3)
 -5V to 5V (with option 4)

HALF-CYCLE WAVEFORMS

Function Shape: Sine, Triangle, Square
Frequency Range: 0.01Hz to 1MHz
Phase (Sine/triangle): 0 to 360°
Phase Resolution: 0.01°
Duty Cycle Range: 0% to 99.9%
Run Modes: Continuous, Triggered
Delay Between Half Cycles (Continuous only): 200ns to 20s
 Delay Resolution 20ns

MODELS PM8571/2A

50MHz Single/Dual Channel Pulse Waveform Generators Specification

ARBITRARY WAVEFORMS

Sample Rate:	1.5S/s to 250MS/s (typ. 300MS/s)
Vertical Resolution:	16 Bits
Waveform Memory:	1M points (2M/4M optional)
Min. Segment Size:	16 points
Resolution:	4 points
No. of Segments:	1 to 10k

SEQUENCED WAVEFORMS

Operation:	Segments may be linked and repeated in a user-selectable order to generate extremely long waveforms. Segments are advanced using either a command or a trigger
Multi Sequence:	1 to 10, Selectable
Sequencer Steps:	1 to 4k
Segment Duration:	600ns min.
Segment Loops:	1 to 1M

ADVANCE MODES

Automatic:	No triggers required to step from one segment to the next. Sequence is repeated continuously through a pre-programmed sequence table
Stepped:	Current segment is sampled continuously, external trigger advances to next programmed segment.
Single:	Current segment is sampled to the end of the segment including repeats and idles there. Next trigger advances to next segment
Mixed:	Each step of a sequence can be programmed to advance either: a) automatic (Automatic mode), or b) with trigger (Stepped mode)
Advance Source:	External (TRIG IN), Internal or software

MODULATION

COMMON CHARACTERISTICS

Carrier Waveform:	Sinewave, except for PWM
Carrier Frequency:	10Hz to 100MHz
Source:	Internal
Run Modes:	Off (Outputs CW), Continuous, Triggered, Delayed Trigger, Burst, Timer and Gated
Advance Source:	Front panel button, Software commands, TRIG IN
Carrier Idle Mode:	On or Off, programmable
Marker Position:	TTL, Programmable at selectable frequency

FM

Modulating Shape:	Sine, square, triangle, ramp
Modulation Freq.:	10mHz to 100kHz
Deviation Range:	Up to 50MHz

ARBITRARY FM

Modulating Shape:	Arbitrary waveform
Modulating SCLK:	1S/s to 2.5MS/s
Freq. Array Size:	4 to 10,000 frequencies

AM

Envelope Freq.:	10mHz to 100kHz
Envelope Shape:	Sine, square, triangle, ramp
Modulation Depth:	0% to 100%

FSK

Baud Rate Range:	1bits/sec to 10Mbits/sec
Data Bits Length:	2 to 4,000

PSK

Carrier Phase:	0 to 360°
Baud Rate Range:	1bits/sec to 10Mbits/sec
Data Bits Length:	2 to 4,000

FREQUENCY HOPPING

Hop Table Size:	2 to 1,000
Dwell Time Mode:	Fixed / Programmable per step
Dwell Time:	200ns to 20s
Time Resolution:	20ns

ASK

Start/Shift Amp.:	16mVp-p to 16Vpp into 50 Ω
Resolution:	Maximum amplitude/4096
Baud Rate Range:	1Bits/s to 10Mbits/s
Data Bits Length:	2 to 4,000

AMPLITUDE HOPPING

Range:	16mVp-p to 16Vpp into 50 Ω
Resolution:	Maximum amplitude/4096
Dwell Time Mode:	Fixed / Programmable per step
Dwell Time:	200ns to 20s
Time Resolution:	20ns

ARBITRARY 3D

Modulating Shape:	Arbitrary waveform
Modulating Type:	Amplitude CH1, Amplitude CH2, Frequency and Phase
Modulating SCLK:	1S/s to 2.5MS/s
Memory Size:	4 to 30,000

(n)PSK and (n)QAM

Carrier Frequency:	1Hz to 75MHz
Carrier Control:	On/Off
Modulation Type:	PSK, BPSK, QPSK, OQPSK, PI/4 DQPSK, 8PSK, 16PSK, 16QAM, 64QAM, 256QAM and User Defined
Symbol Rate:	1S/s to 1MS/s

Carrier Control:	On/Off
Symbol Accuracy:	$\pm(500ns + \text{Carrier Period})$
Table Size:	2 to 4096

PULSE WIDTH MODULATION

Carrier Waveform:	Pulse
Source:	Channel 1
Width Range:	10ns to 500ms
Resolution:	625ps
Deviation:	1% to 99%
Standard Modulating Waveforms:	Sine, square, triangle, ramp
Period	500ns to 1s
Resolution	Pulse width period
Accuracy	Reference + 1 Pulse width period
Arbitrary Modulating Waveforms:	Any shape
Period	Pulse Width x Number of Points
Size	5 to 512k
Resolution	Pulse width period
Accuracy	Same as Reference

SWEEP

Sweep Step:	Linear or log
Sweep Direction:	Up or Down
Sweep Time:	1 μ s to 40s

COMMON CHARACTERISTICS

FREQUENCY

Resolution:	
Display	11 digits (limited by 1 μ Hz)
Remote	14 digits (limited by 1 μ Hz)
Accuracy/Stability:	Same as reference

ACCURACY REFERENCE CLOCK

Internal	0.0001% (1 ppm TCXO) initial tolerance over a 19°C to 29°C temperature range; 1ppm/°C below 19°C and above 29°C; 1ppm/year aging rate
External	10MHz TTL, 50% \pm 2%, or 50 Ω \pm 5% 0dBm (jumper)

AMPLITUDE

Range:	
Standard	16mV to 16Vpp, into 50 Ω ; 32mV to 32Vpp, into open Z
Option 3	21mV to 20Vpp, into 50 Ω ; 42mV to 32Vpp, into open Z
Option 4	16mV to 10Vpp, into 50 Ω ; 32mV to 20Vpp, into open Z
Resolution:	4 digits

MODELS PM8571/2A

50MHz Single/Dual Channel Pulse Waveform Generators

Specification

Accuracy (1kHz):

16mV to 160mVp-p	±(1% + 5mV)
160mV to 1.6Vp-p	±(1% + 10mV)
1.6V to 12Vp-p	±(1% + 70mV)
12V to 16Vp-p	±2%
16V to 20Vp-p	±5%

OFFSET

Range:

Standard	0 to ±7.992V, into 50Ω
Option 3	0 to ±9.981V, into 50Ω
Option 4	0 to ±4.992V, into 50Ω

Resolution:

1mV

Accuracy:

±(1%+1% of Amplitude +5mV)

FILTERS

Type:

Bessel	25MHz or 50MHz
Elliptic	60MHz or 120MHz

OUTPUTS

MAIN OUTPUT

Coupling: DC coupled

Connector: Front panel BNC

Impedance: 50Ω ±1%

Protection:

Standard	Short Circuit to Case Ground, 10s max
Option 4	±5VDC, 50Ω

SYNC OUTPUT

Connector: Front panel BNC

Level: TTL

Sync Type:

Pulse	Arbitrary and Standard waves
LCOM	Sequence and Burst modes

Position: 0 to 1M (2M or 4M optional)

Resolution: 4 points

SAMPLE CLOCK OUTPUT

Connector: Rear panel SMB

Level: 400mVp-p

Impedance: 50Ω

COUPLE OUTPUT

Connector: Rear panel SMB

Level: LVPECL

Impedance: 50Ω, terminated to +1.3V

DIGITAL PATTERN OUTPUTS

Connector: Rear panel SCSI-2, 68-pin VHDC

Pattern Width: 16-bits, differential

Source: Channel 1 only

Output Level: LVDS

Pattern Length:

Dedicated Memory 1 to 128k

Arbitrary Memory 16 to 1M (2M or 4M optional)

Update Frequency: 100μpps to 250Mpps

INPUTS

TRIGGER INPUT

Connector: Rear panel BNC

Input Impedance: 10kΩ

Polarity: Positive or negative, selectable

Level: ±5V

Sensitivity: 100mV

Damage Level: ±12V

Min. Pulse Width: 10ns

EXTERNAL REFERENCE INPUT

Connector: Rear panel SMB

Frequency: 10MHz

Impedance & Level:

Default	10kΩ ±5%, TTL, 50% ±2%
Option	50Ω ±5%, 0dBm Sinewave

SAMPLE CLOCK INPUT

Connector: Rear panel SMB

Input Level: 300mVp-p to 1Vp-p

Impedance: 50kΩ

Range: 1.5Hz to 250MHz

Min. Pulse Width: 4 ns

COUPLE INPUT

Connector: Rear panel SMB

Input Level: LVPECL

Impedance: 50Ω, terminated to +1.3V

Min. Pulse Width: 4 ns

RUN MODES

Continuous: Free-run output of a waveform.

Triggered: Upon trigger, outputs one waveform cycle. Last cycle always completed.

Gated: External signal transition enables or disables generator output. Last cycle always completed

Burst: Upon trigger, outputs a Dual or multiple pre-programmed number of waveform cycles from 1 through 1M.

Mixed: First output cycle is initiated by a software trigger. Consequent output requires external triggers through the rear panel TRIG IN

TRIGGER CHARACTERISTICS

System Delay: 6 SCLK+150ns

Trigger Delay:

Pulse	[(0; 100ns to 20s)+system delay]
All Others	[(0; 200ns to 20s)+system delay]

Trigger Resolution:

Pulse	10ps, limited by 5 digits
All Others	20ns

Trigger Delay Error:

Pulse	±(3% of setting + 500ps)
All Others	6 SCLK+150ns

EXTERNAL

Source: Rear panel BNC

Trigger Level: ±5V

Resolution: 1mV

Input Frequency: DC to 2.5MHz

Min. Pulse Width: 10ns

Slope: Positive/Negative, selectable

Trigger Jitter:

Pulse	<50ps
All Others	<100ps

INTERNAL / TIMER

Range:

Pulse	100ns to 1s
All Others	200ns to 20s

Resolution: 20ns

Error: 3 sample clock cycles+20ns

MANUAL

Source: Soft trigger command from the front panel or remote

FREQUENCY COUNTER / TIMER

Measurements: Frequency, Period, Averaged Period, Pulse Width & Totalize Trigger Input

Range: 10Hz to 100MHz (typ.120MHz)

Sensitivity: 500mVpp

Accuracy: 1ppm

Slope: Positive/Negative transitions

Gate Time: 100μSec to 1 Sec

Input Range: ±5V

Trigger Modes: Continuous, Hold and Gated

Period Averaged:

Range	10ns to 50ms
Resolution	7 digits / Sec

Period and Pulse Width:

Range	500ns to 50ms
Resolution	100ns

Totalize:

Range	10 ¹² -1
Overflow	Led indication

MODELS PM8571/2A

50MHz Single/Dual Channel Pulse Waveform Generators

Specification

INTER-CHANNEL DEPENDENCY (PM8572)

Separate controls: Output on/off, amplitude, offset, standard waveforms, user waveforms, user waveform size, sequence table

Common Controls: Sample clock (Arb), frequency (Std), period (Pulse) reference source, trigger modes, trigger advance source, SYNC OUT.

PHASE OFFSET (LEADING EDGE)

Range: 0 to 1M points, 2M/4M optional

Resolution: 1 point
Initial Skew: < 1ns
Error: 1 SCLK

MULTI-INSTRUMENT SYNCHRONIZATION

Initial Skew: < 25 ns + 1 SCLK
Waveform Types: Standard, Arbitrary and Sequenced using the automatic sequence advance mode only

Run Modes: Continuous, Triggered, Gated and Counted Burst

LEADING EDGE OFFSET

Run Mode: Continuous run mode only

Offset Range: 200ns to 20s
Resolution: 20ns

GENERAL

Voltage Range: 85 to 265V
Frequency Range: 48 to 63Hz
Power Consumption: 60W
Display Type: Color LCD, back-lit
Size: 3.8" reflective
Resolution: 320 x 240 pixels.

Interfaces:

USB
Device 1 x rear, USB device, (B type)
Host 1 x rear, USB device, (A type)
LAN 100/10 BASE-T
GPIO IEEE 488.2 standard interface

Dimensions:

With Feet 212 x 102 x 415mm (WxHxD)
Without Feet 212 x 88 x 415mm (WxHxD)

Weight:

Without Package 3.5Kg
Shipping Weight 4Kg

Temperature:

Operating 0°C - 50°C
Storage -40°C to + 70°C.

Humidity:

11°C - 30°C 85%
31°C - 40°C 75%
41°C - 50°C 45%

Safety: EN61010-1, 2nd revision

Calibration: 1 year
Warranty ⁽¹⁾: 5 years standard

ORDERING INFORMATION

MODEL	DESCRIPTION
PM8571A	50MHz Single Channel Pulse Waveform Generator
PM8572A	50MHz Dual Channel Pulse Waveform Generator

OPTIONS

Option 1: 2M Memory (per channel)
Option 2: 4M Memory (per channel)
Option 3: 20Vp-p into 50Ω
Option 4: ±5VDC Protection, 10Vp-p into 50Ω

ACCESSORIES

Sync Cable: Multi-instrument synchronization
S-Rack Mount: 19" Single Rack Mounting Kit
D-Rack Mount: 19" Dual Rack Mounting Kit
Case Kit: Professional Carrying Bag

Note: Options and Accessories must be specified at the time of your purchase.

⁽¹⁾ Standard warranty in India is 1 year.