

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

FLUKE

Fluke PM6681 High Resolution Timer/Counter 300MHz

Fluke PM6681 High Resolution Frequency Counter Timer The Fluke PM6681 is a very high resolution frequency counter/timer with 11-digit class resolution and 2 or 3 input channels. OEM literature rates ChannelADC to 300 MHz, ChannelBDC to 100 MHz, optional ChannelCto 1.3/2.7/4.2 GHz, 50 ps single-shot time interval resolution class, and GPIB programmability. High resolution frequency and time interval measurements, oscillator characterization, and automated counter applications over GPIB. Optional microwave ChannelCOptional OCXO or rubidium timebase The Fluke PM6681 is a very high resolution frequency counter/timer with 11-digit class resolution and 2 or 3 input channels. OEM literature rates ChannelADC to 300 MHz, ChannelBDC to 100 MHz, optional ChannelCto 1.3/2.7/4.2 GHz, 50 ps single-shot time interval resolution class, and GPIB programmability. High resolution frequency and time interval measurements, oscillator characterization, and automated counter applications over GPIB. Optional microwave ChannelCOptional OCXO or rubidium timebase ChannelCOptions: 70 MHz to 1.3 GHz, 100 MHz to 2.7 GHz, or 150 MHz to 4.2 GHz



MODEL

Fluke PM6681

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PM6681

LISTING

<https://aumictechlabs.com/products/pm6681-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Fluke PM6681 is a frequency counter designed for accuracy and reliability in frequency measurement. It has a wide input frequency range, high resolution, and multiple measurement functions. The PM6681 offers a clear display and intuitive controls, making it suitable for both benchtop and field applications. It is telecommunications, research, and electronic equipment servicing.

PM6681 Characteristics / Specifications

PARAMETER	VALUE
Display Digits Class	11
ChannelIAFrequency	DC to 300 MHz
ChannelIBFrequency	DC to 100 MHz
ChannelCOptions	70 MHz to 1.3 GHz, 100 MHz to 2.7 GHz, or 150 MHz to 4.2 GHz
Single Shot Time Interval Resolution Class	50 ps with 1 ps class resolution path
Internal Memory Rate Class	8 k readings/s
GPIO Rate Class	250 readings/s
Sensitivity Below 100 MHz	20 mV rms
Sensitivity 100 To 200 MHz	30 mV rms
Sensitivity 200 To 250 MHz	40 mV rms
Sensitivity Above 250 MHz	60 mV rms
Display	LCD high luminosity
Remote Interface	GPIO option
Timebase Options	standard OCXO PM9692 rubidium class
Form Factor	benchtop counter
AC Powered	yes
Number Of Channels	2 or 3
Series Family	Fluke PM6681
Manufacturer	per instrument faceplate branding
Documentation Basis	OEM datasheet or operating manual family
Specification Ambient Class	23 C class unless otherwise stated
Calibration Traceability Class	standards laboratory traceable class

PM6681 Specifications

PARAMETER	VALUE
Fluke PM6681 High Resolution Frequency Counter Timer	Overview
Key Features	11 digit high resolution counter/timer
Technical Specifications	Display Digits Class: 11
Notes	Numeric rows from Fluke PM6681 product specification summaries. Confirm installed Channel C and timebase options on the faceplate.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Display Digits Class	11
ChannelAFrequency	DC to 300 MHz
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Notes	
Numeric rows from Fluke PM6681 product specification summaries. Confirm installed ChannelCand timebase options on the faceplate.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.