

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 3, 2026

AEROFLEX

Aeroflex CPM-46 Frequency Counter Power Meter

Marconi IFR Aeroflex CPM-46 Frequency Counter / Power Meter 10 MHz – 46 GHz The CPM-46 provides an Aeroflex / IFR combined microwave frequency counter and power meter covering 10 MHz to 46 GHz as designated by the catalog model. It is intended for RF/microwave bench measurement of CW (and compatible modulated) signals where both frequency and power must be verified on a single instrument. Connector type, sensor paths, and resolution limits are faceplate- and option-dependent. Microwave frequency counting to 46 GHz; RF power measurement on the same path/setup; LO and source verification; production and maintenance microwave metrology. The CPM-46 provides an Aeroflex / IFR combined microwave frequency counter and power meter covering 10 MHz to 46 GHz as designated by the catalog model. It is intended for RF/microwave bench measurement of CW (and compatible modulated) signals where both frequency and power must be verified on a single instrument. Connector type, sensor paths, and resolution limits are faceplate- and option-dependent. Microwave frequency counting to 46 GHz; RF power measurement on the same path/setup; LO and source verification; production and maintenance microwave metrology.

No photo

MODEL

Aeroflex 46

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

46

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Model CPM-46: Frequency Counter / Power Meter
- Frequency coverage class: 10 MHz to 46 GHz (catalog designation)
- Combined counter + power meter functions in one chassis
- Aeroflex / IFR / Marconi microwave test lineage
- Confirm sensor/coupler accessories required for power path

46 Characteristics / Specifications

PARAMETER	VALUE
Model	CPM-46
Manufacturer	Marconi / IFR / Aeroflex
Instrument Type	Microwave Frequency Counter / Power Meter
Alias	CPM-46; CPM46 Frequency Counter
Frequency Range	10 MHz to 46 GHz (catalog)
Resolution / gate time / accuracy	confirm on unit menus and calibration certificate (OEM public tables for CPM-46 are sparse) Power Meter
Connector family for 46 GHz operation is typically 2.4 mm / 2.92 mm class	verify the installed connector and adapter set
Input damage level	observe faceplate max input warnings Standard Operating Conditions Do not exceed max RF input. Use torque wrenches on microwave connectors. Apply sensor cal factors for power accuracy. Operational Notes
Model CPM-46	Frequency Counter / Power Meter
Frequency coverage class	10 MHz to 46 GHz (catalog designation)

46 Specifications

PARAMETER	VALUE
Key Features	- Model CPM-46: Frequency Counter / Power Meter
Technical Specifications	Model: CPM-46
Frequency Counter	Frequency Range: 10 MHz to 46 GHz (catalog)
Power Meter	Power measurement range, sensor type, and uncertainty: confirm installed sensor and cal factors on the certificate
RF Input	Connector family for 46 GHz operation is typically 2.4 mm / 2.92 mm class—verify the installed connector and adapter set
Standard Operating Conditions	Do not exceed max RF input. Use torque wrenches on microwave connectors. Apply sensor cal factors for power accuracy.

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

Specifications

PARAMETER	VALUE
Model	CPM-46
Manufacturer	Marconi / IFR / Aeroflex
Instrument Type	Microwave Frequency Counter / Power Meter
Alias	CPM-46; CPM46

Frequency Counter

Frequency Range: 10 MHz to 46 GHz (catalog)

Resolution / gate time / accuracy: confirm on unit menus and calibration certificate (OEM public tables for CPM-46 are sparse)

Power Meter

Power measurement range, sensor type, and uncertainty: confirm installed sensor and cal factors on the certificate

Compatible with CW microwave sources within the rated band

RF Input

Connector family for 46 GHz operation is typically 2.4 mm / 2.92 mm class—verify the installed connector and adapter set

Input damage level: observe faceplate max input warnings

Standard Operating Conditions

Do not exceed max RF input. Use torque wrenches on microwave connectors. Apply sensor cal factors for power accuracy.

Operational Notes

Treat “10 MHz – 46 GHz” as the instrument’s designated coverage; verify actual operable band and options on the serial-number configuration. Prefer the Aeroflex/IFR CPM-46 manual for gate times and power uncertainty.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.