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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 85036B Standard Mechanical Calibration Kit, DC to 3 GHz, Type-N, 75 ohm

Combo Open Short Male Pin Depth: open not applicable; short 0 to minus 0.0020 in (85036E combo table) Related Economy Kit: 85036E is male-only 75 ohm Type-N economy kit in the same electrical table Literature: Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016 Gage Offset: Type-N gages compensate 5.26 mm (0.207 in) designed offset Related Economy Kit: 85036E is male-only 75 ohm Type-N economy kit in the same electrical table Literature: Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016 Gage Offset: Type-N gages compensate 5.26 mm (0.207 in) designed offset Torque Wrench Part: 8710-1766 3/4 in 135 N-cm wrench (not included)



MODEL

**Agilent / Keysight
85036B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85036B

LISTING

<https://aumictechlabs.com/products/85036b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 85036B is a mechanical calibration kit for vector network analyzers operating from DC to 3 GHz with Type-N connectors and 75-ohm impedance. It delivers the essential open, short, and load calibration standards required for accurate RF measurements across this frequency range. Technical Specifications Frequency Range: DC to 3 GHz Impedance: 75 ohms Connector Type: Type-N Connector Torque Setting: 135 N-cm $\pm$ 13.5 N-cm (12 in-lb $\pm$ 1.2

in-lb)Key Features The kit contains male and female open and short standards, a 75-ohm load termination, three Type-N to Type-N 75-ohm adapters, and one female open center-conductor extender. All opens and shorts are machined to precision tolerances. The short's inner conductor features one-piece construction referenced to the shorting plane for repeatability. The female open uses a separate plastic inner conductor with low dielectric constant to minimize compensation requirements. Adapters employ dual-beaded connector geometry for stable, repeatable connections built to tight tolerances. Pin depths are controlled to specification across all standards:

Type-N Male Connectors: 0.207 to 0.210 inch
Type-N Female Connectors: 0.204 to 0.207 inch
Male Short Pin Depth: 0 to -0.0020 inches
Female Short Pin Depth: 0 to -0.004 inches
Type-N Adapters Pin Depth: 0 to -0.0030 inches

The kit withstands repeated use and handling without degradation of connection repeatability. Storage includes a foam-lined case with protective end caps.

Typical Applications Calibration of vector network analyzers and RF test equipment requiring accurate S-parameter measurements across the DC to 3 GHz band.

Compatibility & Integration Designed specifically for Agilent/Keysight network analyzers. Use open-end wrenches when disconnecting to prevent damage. Store with end caps and maintain clean mating plane surfaces. Performance verification requires return to Keysight Technologies for recertification using specialized equipment.

85036B Characteristics / Specifications

PARAMETER	VALUE
Model	85036B
Instrument Type	Mechanical calibration kit
Connector Type	75 ohm TypeNFrequency Range: DC to 3 GHz
Kit Contents	male and female 75 ohm Type-N open, short, and load plus three Type-N to Type-N adapters
Load Return Loss Dc To 2 Ghz	greater than or equal to 46 dB (rho less than or equal to 0.00501)
Load Return Loss 2 To 3 Ghz	greater than or equal to 40 dB (rho less than or equal to 0.01000)
Load Spec Temperature	23 plus 5 C; typical resistance change plus or minus 300 ppm perColder Serial Load Return Loss: greater than or equal to 45 dB DC to 2 GHz for serial prefix 3102A and below; other devices unspecified on those kits
Operating Temperature	+15 C to +35 C
Storage Temperature	minus 40 C to +75 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Torque Type N	135 N-cm (12 in-lb) plus or minus 13.5 N-cm
Fixed Load Typical Pin Depth	0 to minus 0.0020 in (0 to minus 0.0508 mm)
Male Short Typical Pin Depth	0 to minus 0.0020 in (0 to minus 0.0508 mm)
Female Short Typical Pin Depth	0 to minus 0.004 in (0 to minus 0.1016 mm)
Adapter Typical Pin Depth	0 to minus 0.0030 in (0 to minus 0.0762 mm)
Combo Open Short Male Pin Depth	open not applicable; short 0 to minus 0.0020 in (85036E combo table)
Related Economy Kit	85036E is male-only 75 ohm Type-N economy kit in the same electrical table
Literature	Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016
Gage Offset	Type-N gages compensate 5.26 mm (0.207 in) designed offset
Torque Wrench Part	8710-1766 3/4 in 135 N-cm wrench (not included)
Impedance	75 ohm

PARAMETER	VALUE
Form Factor	foam-lined mechanical calibration kit
Humidity	Type Tested: 0 percent to 95 percent at 40 C non-condensing
Return loss	Dc To 2 Ghz: greater than or equal to 46 dB (rho less than or equal to 0.00501)

85036B Specifications

PARAMETER	VALUE
Agilent 85036B 75 Ohm Type N Calibration Kit to 3 GHz	Overview
Applications	OSL calibration of 75 ohm CATV and video Type-N devices to 3 GHz.
Key Features	Male and female 75 ohm Type-N opens, shorts, and loads
Technical Specifications	Model: 85036B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to +75 C
Operating temperature	+15 C to +35 C
Operating Temperature	+15 C to +35 C
Humidity	Type Tested: 0 percent to 95 percent at 40 C non-condensing
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Torque Type N	135 N-cm (12 in-lb) plus or minus 13.5 N-cm
Fixed Load Typical Pin Depth	0 to minus 0.0020 in (0 to minus 0.0508 mm)
Male Short Typical Pin Depth	0 to minus 0.0020 in (0 to minus 0.0508 mm)
Female Short Typical Pin Depth	0 to minus 0.004 in (0 to minus 0.1016 mm)
Adapter Typical Pin Depth	0 to minus 0.0030 in (0 to minus 0.0762 mm)
Combo Open Short Male Pin Depth	open not applicable; short 0 to minus 0.0020 in (85036E combo table)
Related Economy Kit	85036E is male-only 75 ohm Type-N economy kit in the same electrical table
Literature	Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016
Gage Offset	Type-N gages compensate 5.26 mm (0.207 in) designed offset
Torque Wrench Part	8710-1766 3/4 in 135 N-cm wrench (not included)
Impedance	75 ohm
Form Factor	foam-lined mechanical calibration kit Notes From Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016 Table 2-1 environment, Table 2-2 pin-depth typical values, Table 2-3 electrical specifications, Table 3-1 torque, and serial-prefix history for 3102A-and-below loads.

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	
Technical Specifications	
PARAMETER	VALUE
Model	85036B
Instrument Type	Mechanical calibration kit
Connector Type	75 ohm Type N
Frequency Range	DC to 3 GHz
Kit Contents	male and female 75 ohm Type-N open, short, and load plus three Type-N to Type-N adapters
Load Return Loss Dc To 2 Ghz	greater than or equal to 46 dB (rho less than or equal to 0.00501)
Load Return Loss 2 To 3 Ghz	greater than or equal to 40 dB (rho less than or equal to 0.01000)
Load Spec Temperature	23 plus 5 C; typical resistance change plus or minus 300 ppm per C
Older Serial Load Return Loss	greater than or equal to 45 dB DC to 2 GHz for serial prefix 3102A and below; other devices unspecified on those kits
Operating Temperature	+15 C to +35 C
Storage Temperature	minus 40 C to +75 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Torque Type N	135 N-cm (12 in-lb) plus or minus 13.5 N-cm
Fixed Load Typical Pin Depth	0 to minus 0.0020 in (0 to minus 0.0508 mm)
Male Short Typical Pin Depth	0 to minus 0.0020 in (0 to minus 0.0508 mm)
Female Short Typical Pin Depth	0 to minus 0.004 in (0 to minus 0.1016 mm)
Adapter Typical Pin Depth	0 to minus 0.0030 in (0 to minus 0.0762 mm)
Combo Open Short Male Pin Depth	open not applicable; short 0 to minus 0.0020 in (85036E combo table)
Related Economy Kit	85036E is male-only 75 ohm Type-N economy kit in the same electrical table
Literature	Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016
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Torque Wrench Part	8710-1766 3/4 in 135 N-cm wrench (not included)
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PARAMETER	VALUE
Form Factor	foam-lined mechanical calibration kit

Specifications

PARAMETER	VALUE
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Instrument Type	Mechanical calibration kit
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Kit Contents	male and female 75 ohm Type-N open, short, and load plus three Type-N to Type-N adapters
Load Return Loss Dc To 2 Ghz	greater than or equal to 46 dB (rho less than or equal to 0.00501)
Load Return Loss 2 To 3 Ghz	greater than or equal to 40 dB (rho less than or equal to 0.01000)

Load Spec Temperature: 23 plus 5 C; typical resistance change plus or minus 300 ppm perC
Colder Serial Load Return Loss: greater than or equal to 45 dB DC to 2 GHz for serial prefix 3102A and below; other devices unspecified on those kits

Specifications

PARAMETER	VALUE
Operating Temperature	+15 C to +35 C
Storage Temperature	minus 40 C to +75 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
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Impedance	75 ohm
Form Factor	foam-lined mechanical calibration kit

Notes

From Agilent 85036B/E 75 ohm Type-N Calibration Kits User's and Service Guide 85036-90016 Table 2-1 environment, Table 2-2 pin-depth typical values, Table 2-3 electrical specifications, Table 3-1 torque, and serial-prefix history for 3102A-and-below loads.

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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<https://aumictechlabs.com>

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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.