
Calibration Certificates

Technical Data

- **Certificates free for qualifying projects**
 - **Labels furnished for your use**
 - **Additional certificates available**
-

A Free Calibration Certificate

Hewlett-Packard supplies you with a free calibration certificate and label with their Test & Measuring instruments. We hope this assists you in your ISO 9000 or other quality system compliance. We at HP understand how important it is for you to put your new instrument into service immediately, and believe that this program will allow you to do just that. We are able to issue a calibration certificate because our instruments are manufactured to be within their specifications.

This certificate states that the calibration is traceable and was done using procedures that are in compliance with relevant clauses of ISO 9001 and ISO 9002. In addition you will receive a calibration label that shows the date the instrument was manufactured. Both the certificate and the label are furnished free of charge.

Not every HP Test and Measuring product will be shipped with a certificate. Some products don't

meet the criteria established for this program. These criteria are:

- The Product has published specifications
- The Product is calibrated: specifications are checked and metrology is in place
- The Product will be recalibrated at a recommended calibration interval.

Optional Certificates

HP recognizes that some customers will want additional certification. Additional options are available. *These are, UK6, 1BN, 1BP, and UKS and must be requested at order placement.*

UK6: This option is available at an additional cost. This option has a second page to the basic certificate, providing manufacturing test data for the instrument. The UK6 option may not be available for some instruments.

1BN: This option is available at an additional cost. This option is the MIL STD 45662A calibration option. The 1BN option provides a calibration that meets the requirements of the standard. Data is not furnished with this option.

1BP: This option is available at an additional cost. This option is a 1BN calibration with measurement data.


1BQ: This option is only available for 14 specific models delivered by Kobe Instrument Division. These products are mature instrument models and the calibration is a MIL-STD-45662 calibration only. (Note: not a MIL-STC-45662A calibration.)

Note: UK6, 1BN, 1BP, and 1BQ options are not available for all products. In this instance calibration may be ordered for your new instrument but requires special handling. This is performed at one of HP's Customer Service Centers prior to delivery, at an additional cost.

UKS: This option was established to provide free certificates for HP products defined in the Microwave Test Accessories Catalog, e.g. Adapters, Amplifiers, Attenuators, Detectors, Switches, etc. This option provides product details and very limited specifications. *It is supplied upon request only at order placement.*

Calibration Label

A calibration label is furnished with each new instrument, where applicable. The date calibrated and the technician's name or identification will be annotated on the label. Hewlett-Packard recommends a calibration interval, but you, the customer have the final flexibility of assigning an interval and placing the label on the instrument.

 HEWLETT PACKARD				
	DD	MM	YY	BY
CAL				
DUE				

Calibration Date and Interval:

You expect full use of your new instrument for a complete recommended calibration interval. If a product sits in finished goods inventory for a substantial period before it is shipped, you might have some concerns about the validity of that calibration and what constitutes the start date for your use.

Shelf life does not affect the calibration of most products. For these products, you have the prerogative and flexibility to select the date of the next calibration. HP's recommended calibration interval is published in the product manuals.

You may apply the interval as:

- the date on the calibration label
- the date you put the instrument in service or
- choose another interval that satisfies your calibration system.

Instruments that are known to be affected by storage will be identified so that you can make the appropriate decision.


 HEWLETT PACKARD	
<h3>Certificate of Calibration</h3>	
Model No/System No: Serial No: Description:	
<p>At the time of calibration, this certifies that the above product was calibrated in accordance with applicable Hewlett-Packard procedures which are in compliance with relevant clauses of ISO 9001/2.</p> <p>At the next interval, Hewlett-Packard instrument standards are calibrated by comparison to the nearest national standards and maintained at constant conditions (temperature, humidity, pressure, etc.) to ensure the integrity of the calibration.</p> <p>National standards are maintained by NIST (National Institute of Standards and Technology) or other recognized national standards laboratories.</p> <p>At the time of shipment, your instrument met its published operating specifications. The environment in which the instrument was calibrated is maintained within the operating specifications of the instrument and the standards.</p> <p>Shipping documentation on stability and reliability is available for examination upon request.</p>	
Calibration Date: DD/MM/YY	Authorized Inspector:

Figure 1. Example of the Basic Free Certificate from an ISO Registration Division.

Frequently Asked Questions:

Q. For the UK6 option does HP actually take a newly manufactured instrument off the line and then do a Performance Test as published in the service manual?

A. No. An instrument is extensively tested during manufacturing to insure that all specifications are met and then given a final test. These tests may not be the same as the Performance Tests.

Q. Does this mean that the data furnished by a UK6 option is different than that I would get from a service center upon recalibration?

A. Yes. Different tests and data points.

Q. What if I need a Certificate of Traceability?

A. The Calibration Certificate has a clear statement that should provide the necessary information to answer questions concerning traceability to national standards.

Q. Why doesn't HP put the label on the instrument instead of in an envelope?

A. We just don't know where all customers want the label affixed. Some customers don't use HP's label at all, they prefer to use their own label.

Q. Are there any products that don't get a certificate?

A. Yes! In addition to those products that don't meet the 3 criteria and HP products defined in the Microwave Test Accessories

Catalog, e.g. Adapters, Amplifiers, Attenuators, Detectors, Switches, etc. do not routinely come with a certificate. *You must request the UKS option.* This option was established just for this purpose.

For Further Information:

Call your local Hewlett-Packard Field Engineer or in the U.S., The Call Center at 1-800-452-4844 extension CAL.

**HEWLETT
PACKARD**

Certificate of Calibration

Model No./System No.
Serial No.
Description.

Calibration Equipment Used:

Model Number	Model Description	Cal Date	Cal Date Due
		10/10/83	

Some specifications may be generated by the manufacturing process and are not tested during final inspection.

Figure 2. Second Page issued with UK6 Option.

For more information, contact any of our worldwide sales offices or HP Channel Partners (In the U.S. Call 1-800-637-7740; in Canada, call 1-800-387-3867). Look for HP on the Internet (<http://www.hp.com>).

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