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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1143A

HP Agilent 1143A Probe Offset Power Module for 1144A/1145A The HP 1143A provides probe power and offset control for 1144A/1145A active probes. OEM probe accessory data list the 1143A as the required power/offset box so 1144A/1145A FET probes can set DC offset and receive probe power when the oscilloscope lacks AutoProbe. Powering and offsetting 1144A/1145A active probes on 50 ohm or 1 Mohm scopes without AutoProbe. Instrument Type: Probe offset and power module The HP 1143A provides probe power and offset control for 1144A/1145A active probes. OEM probe accessory data list the 1143A as the required power/offset box so 1144A/1145A FET probes can set DC offset and receive probe power when the oscilloscope lacks AutoProbe. Powering and offsetting 1144A/1145A active probes on 50 ohm or 1 Mohm scopes without AutoProbe. Instrument Type: Probe offset and power module Mechanical Package: probe power accessory



MODEL

**Agilent / Keysight
1143A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1143A

LISTING

<https://aumictechlabs.com/products/1143a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 1143A is a probe offset control and power module that supplies independent power and programmable offset voltage to dual active probes in measurement systems where direct oscilloscope front-panel powering is unavailable. It delivers stable ± 17.3 Vdc output with 300 mA per rail and enables two independently operated probes with offset adjustment from ± 50 V at variable current up to ± 5 mA per channel. Rear-panel 9-pin D-subminiature connectors and

remote control input support flexible system integration. Designed for the Keysight 54700-series and 54701A active probes, the 1143A operates reliably across 0°C to +55°C and altitude to 4,600 meters. Technical Specifications Positive Power Output: +17.3 Vdc $\pm$ 150 mV Negative Power Output: -17.3 Vdc $\pm$ 150 mV Maximum Current per Supply: 300 mA Programmable Offset Range: $\pm$ 50 V Offset Current Control: 0 to $\pm$ 5 mA variable Independent Channels: 2 probes Offset Control Interface: 9-pin D-subminiature rear connector Input Voltage: 90–132 Vac / 198–264 Vac Input Frequency: 47 to 440 Hz Power Consumption: 40 VA maximum Operating Temperature: 0°C to +55°C Operating Humidity: Up to 95% RH (non-condensing) at +40°C Operating Altitude: Up to 4,600 meters (15,000 ft) Vibration Tolerance: 0.3 grms (5–500 Hz random, 10 min per axis) Dimensions: 211 mm $\times$ 173 mm $\times$ 78 mm Net Weight: 1.5 kg

Key Features Dual-channel independent offset control Remote offset control input for automated test systems Compact form factor with universal AC input range Stable supply voltage tolerances ensure probe accuracy

Compatibility & Integration The 1143A pairs with Keysight 54700-series and 54701A active probes, making it suitable for 50-ohm measurement systems where dedicated probe power is required. A 1.5-meter probe power extension cable (Option 001) is available for systems requiring offset connections beyond the module's rear panel. Note: This product is obsolete and no longer manufactured due to non-compliance with EU RoHS Directive 2011/65/EU.

1143A Characteristics / Specifications

PARAMETER	VALUE
Model	1143A
Instrument Type	Probe offset and power module
Host Probes	1144A 1145A active probes
Functions	probe power and DC offset
Manufacturer	HP Agilent Keysight
Mechanical Package	probe power accessory
Related 1142A	1142A is the power/control module for 1141A differential probes
Related 1145A	1145A active probe uses 1143A
Related 1155A	1155A 750 MHz active probe Wedge family
Documentation	HP 1143A probe offset power module accessory data
Application Class	active probe power
Offset	variable DC offset for the probe
Power Out	probe power to 1144A/1145A
Duty	continuous probe power
Use Without Autoprobe	yes
Family	1143A/1144A/1145A active probe set
Grounding	scope/probe ground
Connector	probe power connector as on 1143A
Control	front-panel offset
Scope Interface	probe output to the oscilloscope input
Replacement Path	AutoProbe scopes do not need 1143A for later probes
Accessory Type	probe power module

1143A Specifications

PARAMETER	VALUE
Applications	Powering and offsetting 1144A/1145A active probes on 50 ohm or 1 Mohm scopes without AutoProbe.
Key Features	Power/offset box for 1144A/1145A
Required when the scope has no AutoProbe	Pairs with 1145A/1155A Wedge family
Technical Specifications	Model: 1143A
Notes	From HP 1143A probe offset/power module accessory data for 1144A/1145A. 1142A is a different power module for 1141A.

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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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

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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.