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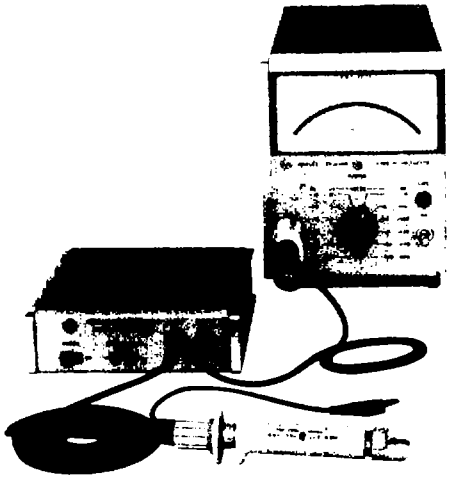
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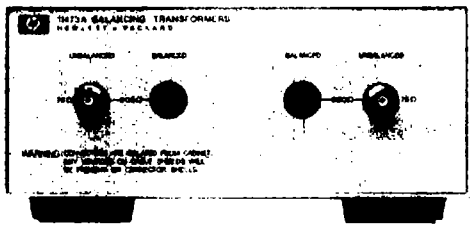
Find the *Keysight / Agilent 11473B* at our website: ***Click HERE***

# CABINETS & MEASUREMENT ACCESSORIES

## Instrument accessories

**Models 456A & 11473A – 11476A**





### 456A Description

Conventional voltmeters or oscilloscopes can measure current quickly and dependably — without direct connection to the circuit under test or any appreciable loading to test circuit. HP's 456A AC Current Probe clamps around the current-carrying wire, and provides a voltage output read on a voltmeter or scope. Model 456A's 1 mA to 1 mV conversion permits direct reading up to 1 A rms.

### 456A Specifications

**Sensitivity:** 1 mV/mA ±1% at 1 kHz.
**Frequency response:** ±2%, 100 Hz to 3 MHz; ±5%, 60 Hz to 4 MHz; −3 dB at <25 Hz and >20 MHz.
**Pulse response:** rise time is <20 ns, sag <16%/ms.
**Maximum input:** 1 A rms, 1.5 A peak; 100 mA above 5 MHz.
**Effect of dc current:** no appreciable effect on sensitivity and distortion from dc current up to 0.5 A.
**Input impedance:** (impedance added in series with measured wire by probe) <50 mΩ in series with 0.05 μH (this is approximately the inductance of 1½ in. of hookup wire).
**Probe aperture:** 4 mm (5/32") diameter.
**Probe shunt capacity:** approx. 4 pF added from wire to ground.
**Distortion at 1 kHz:** for 0.5 A input at least 50 dB down; for 10 mA input at least 70 dB down.
**Equivalent input noise:** <50 μA rms (100 μA when ac powered).
**Output impedance:** 220Ω at 1 kHz; approximately +1 V dc component; should work into load of not less than 100,000Ω shunted by approximately 25 pF.
**Power:** battery life (two), approximately 400 hours; ac power supply; Option 001, 115 or 230 V ±10%, 50 to 1000 Hz approx. 1 W.

### 11473A-11476A Description

New balancing transformers provide a balanced output from a single-ended input, or a single-ended output from a balanced input. Impedances available are 75 ohms unbalanced to 124Ω, 135Ω, 150Ω, and 600Ω balanced. Frequency response is ±0.5 dB.

(Each module contains two transformers with the following specifications)

| Model No. | | 11473A | 11473B | 11474A | 11475A | 11476A |
|---|---|---|---|---|---|---|
| Impedance* | Unbal | 75Ω | 75Ω | 75Ω | 75Ω | 75Ω |
| | Bal | 600Ω | 600Ω | 135Ω | 150Ω | 124Ω |
| Mating connectors | Unbal | BNC | BNC | BNC | BNC | BNC |
| | Bal | WECO 310 | Siemens 9 REL STP-6AC | WECO 241 | Siemens 9 REL STP-6AC | WECO 408A |
| Frequency range: | | 20 Hz–50 kHz | 20 Hz–50 kHz | 2 kHz–2 MHz | 2 kHz–2 MHz | 5 kHz–5 MHz |
| Frequency response: | | ±0.5 dB | ±0.5 dB | ±0.5 dB | ±0.5 dB | ±0.5 dB |
| Insertion loss: | | <0.75 dB at 1 kHz | <0.75 dB at 1 kHz | <0.25 dB at 50 kHz | <0.25 dB at 50 kHz | <0.25 dB at 50 kHz |
| Longitudinal balance: | | >40 dB | >40 dB | >40 dB | >40 dB | >35 dB |
| Max input power: | | +13 dBm | +13 dBm | +27 dBm | +27 dBm | +27 dBm |

*50Ω unbalanced to balanced transformer available on special basis. Above specifications apply

| Model number and name | Price |
|---|---|
| Option 001 AC Power Supply | $23 |
| 456A AC Current Probe | $415 |
| 11473A Balancing Transformer | $285 |
| 11473B Balancing Transformer | $285 |
| 11474A Balancing Transformer | $285 |
| 11475A Balancing Transformer | $285 |
| 11476A Balancing Transformer | $285 |

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