

1 : 1 / 10 : 1
Tastteiler / Probe
HZ 154

Handbuch / Manual

Deutsch / English



1:1/10:1 Tastteiler HZ154

Technische Daten

Teiler-Verhältnis:	1:1 / 10 : 1
Bandbreite:	10 / 150 MHz
Anstiegszeit:	<35 / 1,7 ns
Eingangsimpedanz:	1/10 MΩ 82/12pF
Max. Eingangsspannung (CAT II):	600 V (DC + peak AC) (abnehmend mit zunehmender Frequenz)
Niederfrequenzkompensation:	1
Hochfrequenzkompensation:	2
Kabellänge:	ca. 1,20 m

Handhabung

Wechsel der Tastkopfspitze

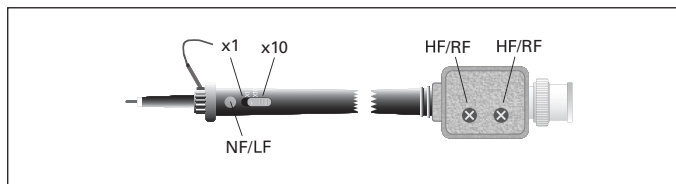
Die Tastkopfspitze heraus-schrauben und eine neue Spitze auf die gleiche Weise einsetzen.



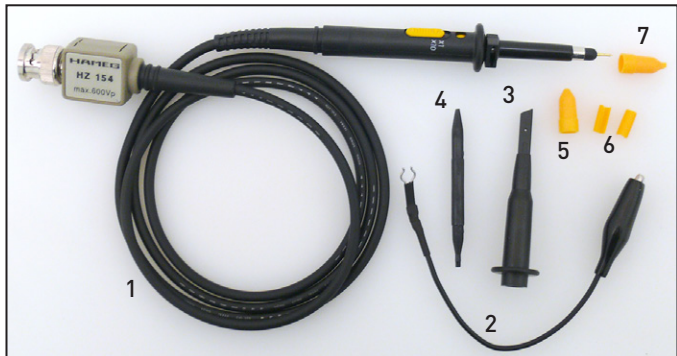
Tastkopf-Abgleich:
Auf kürzestmögliche Masseverbindung achten

Abgleich 1 kHz: Tastkopf an 1 kHz-Rechtecksignal anlegen. LF-Trimmer auf optimale Rechteckwiedergabe einstellen.

Abgleich 1 MHz: Tastkopf an 1 MHz-Rechtecksignal anlegen. HF-Trimmer auf optimale Rechteckwiedergabe einstellen.



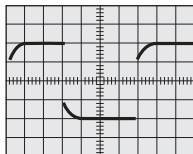
Lieferumfang



- | | | | |
|---|--------------|---|-----------------------|
| 1 | Tastkopf | 5 | IC Isolierkappe |
| 2 | Masseleitung | 6 | Identifikationskappen |
| 3 | Klemmhaken | 7 | Schutzkappe |
| 4 | Trimmstift | | |

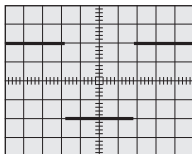
1 kHz Signal

falsch

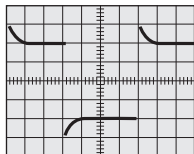


LF

richtig

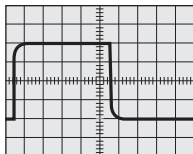


falsch



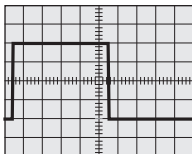
1 MHz Signal

falsch

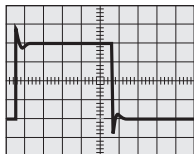


HF

richtig



falsch



1:1/10:1 Probe HZ154

Specifications

Attenuation ratio:	1: / 10 : 1
Bandwidth:	10 / 150 MHz
Rise time:	<35 / 1,7 ns
Input impedance:	1/10 M Ω 82/12pF
Max. Input voltage [CAT I]:	600 V (DC + peak AC) (derating with increasing frequency)
LF compensation:	1
HF compensation:	2
Cable length:	approx. 1.20 m

How to use

Change of probe tip

Unscrew the probe tip and replace it with the new tip.

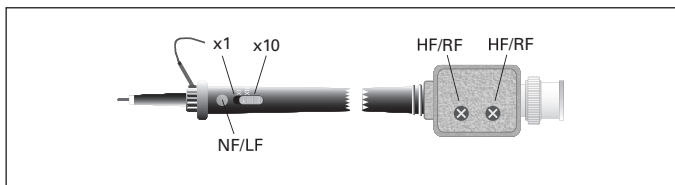


Probe Adjustment:

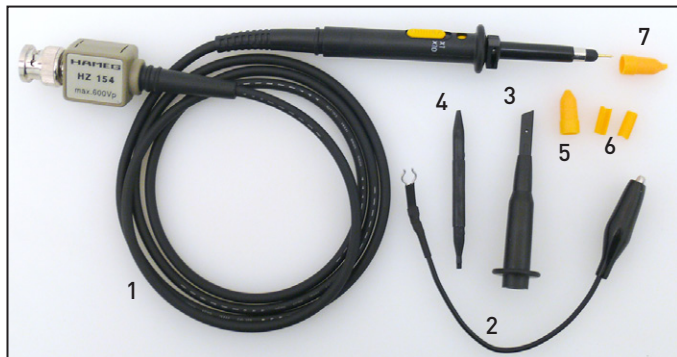
Use shortest possible ground connection

Adjustment 1 kHz: Connect probe to a 1 kHz square wave signal. Adjust LF compensation trimmer for optimum square wave response.

Adjustment 1 MHz: Connect probe to a 1 MHz square wave signal. Adjust HF compensation trimmer(s) for optimum square wave response.



Included in delivery

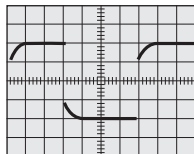


- 1 Probe
- 2 Ground lead
- 3 Retractable hook
- 4 Adjustment tool

- 5 IC Insulating cap
- 6 Identification tags
- 7 Protection cap

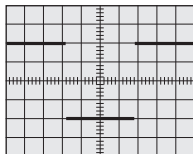
1 kHz Signal

incorrect

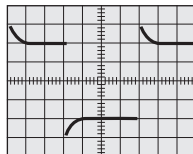


LF

correct

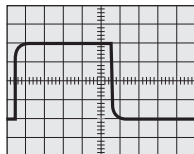


incorrect



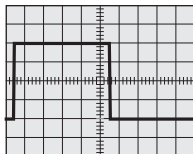
1 MHz Signal

incorrect

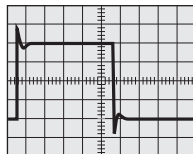


HF

correct



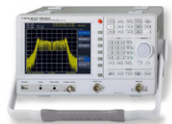
incorrect



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Programmable Instruments
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