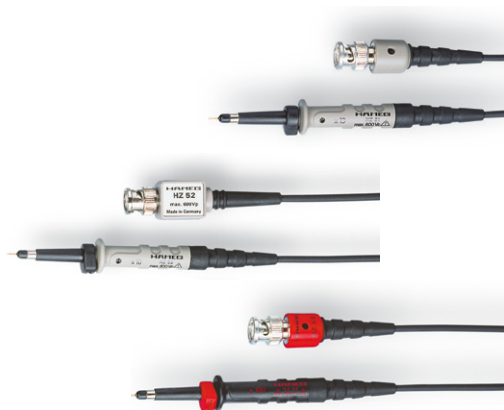


Tastteiler/Probe HZ51, HZ52, HZ53

Handbuch / Manual

Deutsch / English



10:1 Tastteiler HZ52, HZ51

100:1 Tastteiler HZ53

Technische Daten	HZ52 [HZ51]	HZ53
Teiler-Verhältnis:	10 : 1	100 : 1
Bandbreite:	250 [150] MHz	100 MHz
Anstiegszeit:	<1,4 [<2,4] ns	<3,5 ns
Eingangsimpedanz:	10 MΩ 10 [12] pF	100 MΩ 4,5pF
Max. Eingangsspannung (CAT I):	600 V (DC + peak AC) [abnehmend mit zunehmender Frequenz]	1200 V (DC + peak AC)
Niederfrequenzkompensation:	1	1
Hochfrequenzkompensation:	2 [1]	-
Kabellänge:	ca. 1,20 m	ca. 1,20 m

Handhabung

Wechsel der Tastkopfspitze

Die Tastkopfspitze herausschrauben und durch die mitgelieferte zweite auf gleiche Weise ersetzen.



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.



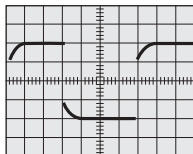
Lieferumfang



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

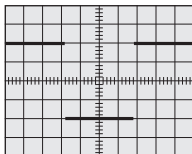
1 kHz Signal

falsch

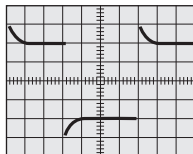


LF

richtig

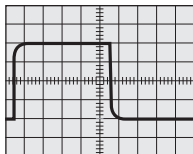


falsch



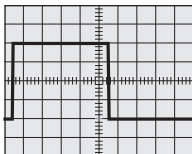
1 MHz Signal

falsch

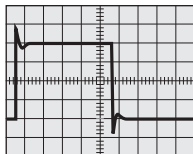


HF

richtig



falsch



10:1 Probe HZ52, HZ51

100:1 Probe HZ53

Specifications	HZ52 [HZ51]	HZ53
Attenuation ratio:	10 : 1	100 : 1
Bandwidth:	250 [150] MHz	100 MHz
Rise time:	<1.4 [<2.4] ns	<3.5 ns
Input impedance:	10 M Ω 10 [12] pF	100 M Ω 4,5 pF
Max. Input voltage [CAT I]:	600 V [DC + peak AC] (derating with increasing frequency)	1200 V [DC + peak AC]
LF compensation:	1	1
HF compensation:	2 [1]	-
Cable length:	approx. 1.20 m	approx. 1.20 m

How to use

Change of probe tip

Unscrew the probe tip and replace with new item supplied.



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.



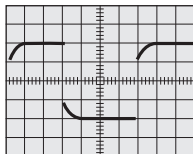
Included in delivery



- | | |
|--------------------|-------------------------|
| 1 Probe | 5 IC Insulating cap |
| 2 Ground lead | 6 Probe tip replacement |
| 3 Retractable hook | 7 Protection cap |
| 4 Adjustment tool | |

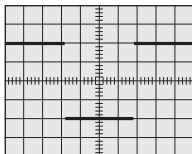
1 kHz Signal

incorrect

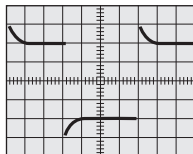


LF

correct

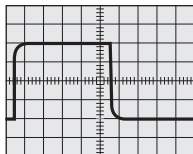


incorrect



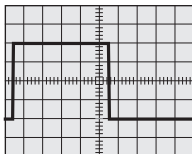
1 MHz Signal

incorrect

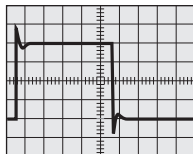


HF

correct



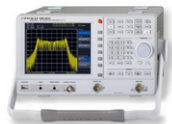
incorrect



Oscilloscopes



Spectrum Analyzer



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