

10:1
Tastteiler / Probe
HZ350
mit autom. Teilungsfaktor-Kennung
with auto attenuation ID

Handbuch / Manual

Deutsch / English



10 : 1 Tastteiler HZ350

(mit autom. Teilungsfaktor-Kennung)

Technische Daten

Teiler-Verhältnis:	10 : 1
Bandbreite:	400 MHz
Anstiegszeit:	<0,88 ns
Eingangsimpedanz:	10 M Ω 12 pF
Max. Eingangsspannung (CAT I):	400 V (DC + peak AC) (abnehmend mit zunehmender Frequenz)
Niederfrequenzkompensation:	1
Hochfrequenzkompensation:	2
Kabellänge:	ca. 1,20 m

Handhabung

Wechsel der Tastkopfspitze

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

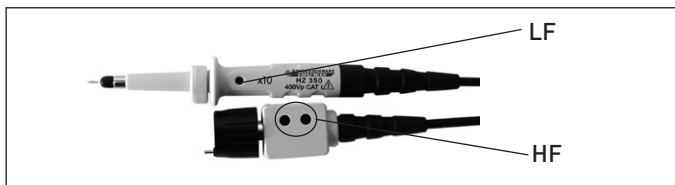


Tastkopf-Abgleich:

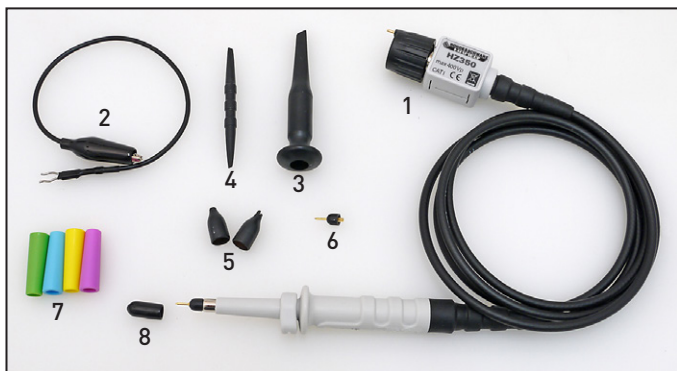
Auf kürzestmögliche Masseverbindung achten!

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.



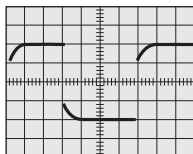
Lieferumfang



- | | | | |
|---|--------------|---|-----------------------|
| 1 | Tastkopf | 5 | IC Isolierkappe |
| 2 | Masseleitung | 6 | Ersatzspitze |
| 3 | Klemmhaken | 7 | Identifikationskappen |
| 4 | Trimmstift | 8 | Schutzkappe |

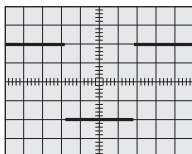
1 kHz Signal

falsch

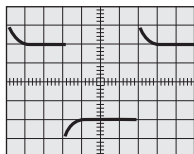


LF

richtig

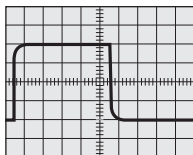


falsch



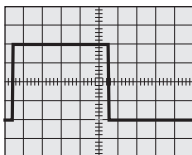
1 MHz Signal

falsch

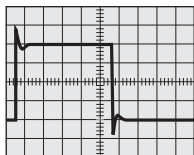


HF

richtig



falsch



10 : 1 Probe HZ350

(with auto attenuation ID)

Specifications

Attenuation ratio:	10 : 1
Bandwidth:	400 MHz
Rise time:	<0.88 ns
Input impedance:	10 M Ω 12pF
Max. Input voltage (CAT II):	400 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 with new item supplied.

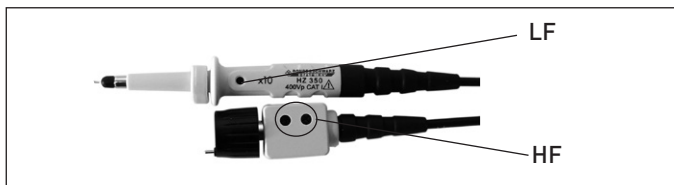


Probe Adjustment:

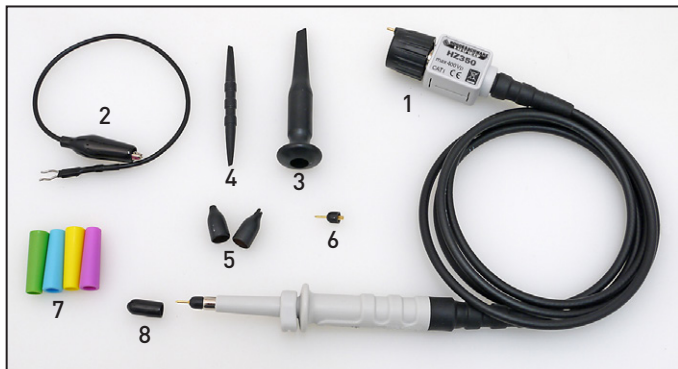
Use shortest possible ground connection!

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

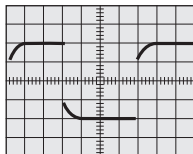


- 1 Probe
- 2 Ground lead
- 3 Retractable hook
- 4 Adjustment tool

- 5 IC Insulating cap
- 6 Probe tip replacement
- 7 Identification tags
- 8 Protection cap

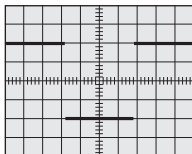
1 kHz Signal

incorrect

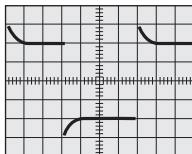


LF

correct

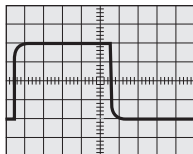


incorrect



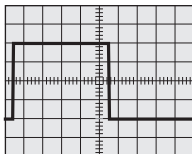
1 MHz Signal

incorrect

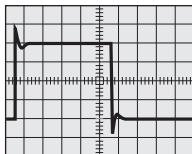


HF

correct



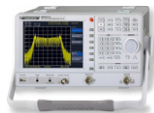
incorrect



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HAMEG Instruments GmbH

Industriestraße 6

D-63533 Mainhausen

Tel +49 (0) 61 82 800-0

Fax +49 (0) 61 82 800-100

sales@hameg.com