

10:1  
Tastteiler/Probe  
HZ200  
mit autom. Teilungsfaktor-Kennung  
with auto attenuation ID

Handbuch / Manual

Deutsch / English



# 10 : 1 Tastteiler HZ200

(mit autom. Teilungsfaktor-Kennung)

## Technische Daten

Teiler-Verhältnis:	10 : 1
Bandbreite:	250 MHz
Anstiegszeit:	<2,4 ns
Eingangsimpedanz:	10 MΩ    12pF
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

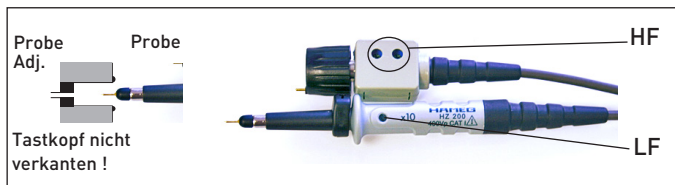
Die Tastkopfspitze herausschrauben und durch die mitgelieferte zweite auf gleiche Weise ersetzen.



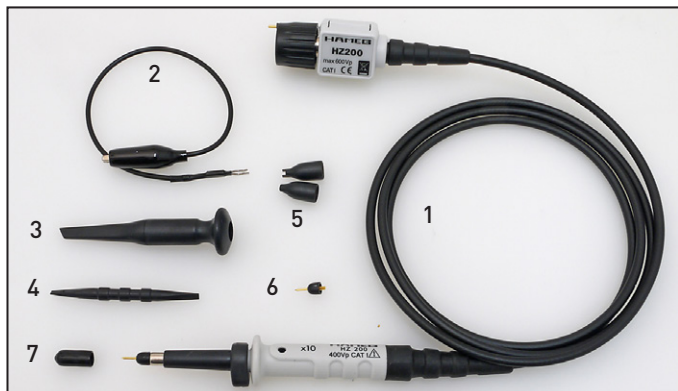
**Tastkopf-Abgleich:**  
Auf kürzestmögliche Masseverbindung achten

**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.



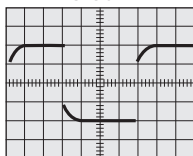
## Lieferumfang



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

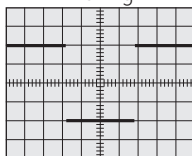
### 1 kHz Signal

falsch

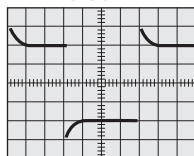


LF

richtig

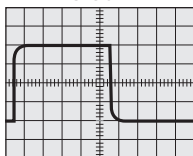


falsch



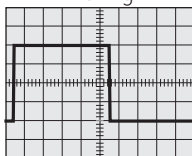
### 1 MHz Signal

falsch

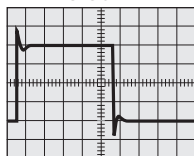


HF

richtig



falsch



# 10 : 1 Probe HZ200

(with auto attenuation ID)

## Specifications

Attenuation ratio:	10 : 1
Bandwidth:	250 MHz
Rise time:	<2,4 ns
Input impedance:	10 M $\Omega$    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

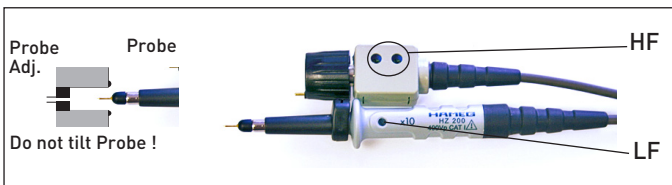
Unscrew the probe tip and replace with new item supplied.



**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.



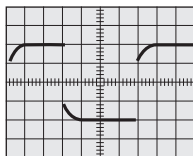
## Included in delivery



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

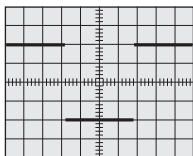
### 1 kHz Signal

incorrect

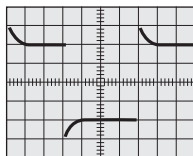


LF

correct

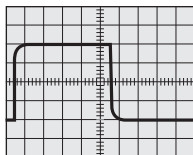


incorrect



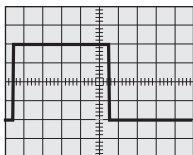
### 1 MHz Signal

incorrect

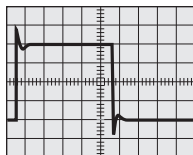


HF

correct



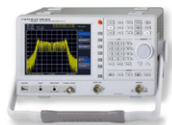
incorrect



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