

Features

- ◆ DC current feed to a telephone line
- ◆ Ring generator with ring trip
- ◆ LED indicator for line current greater than 6 mA
- ◆ Reversing switch allows DC signalling

Transmission Testing



H HEUER INSTRUMENTS

FEEDBRIDGE FB11

FEEDBRIDGE FB11

200 Hz to 20 kHz

The Feedbridge FB11 is designed as an accessory to the Transmission Measuring Set TMS A11 allowing VOICELINK and other dedicated products to be tested. The Feedbridge FB11 is powered by the 50 V exchange supply. Active current sources provide the necessary high AC impedance for the line under test. The ring signal is not applied to the line if the line current is greater than 6 mA.

Telephone

Connect the telephone line to the 'Line' connector. With the exchange supply connected, the telephone will now have its feed voltage applied. Lifting the handset will turn on the 'DC Feed' LED. It is illuminated whenever the line current exceeds 6 mA.

Ring Generator

Provided the telephone is on hook, that is no line current flows, the FB41 produces a ring signal when pressing the 'Ring' button. Once the handset is lifted a ring trip circuit will stop the ring generator.

DC Signalling

The reversing toggle switch can be used for DC signalling. Setting the switch to reverse will result in the opposite polarity.

Transmission Measuring Set TMS A11

The Level Meter LM11 can be connected to the Feedbridge FB11 through the TMSA11 socket. When using this connection, the LM11 is ac-coupled to the Feedbridge FB41. A relay disconnects the LM11 during ringing. The bridging loss of the Feedbridge is less than 0.1 dB. A Level Generator LG11 can also be connected to the FB11.

Technical Specifications (FB11)

DC Feed	
<i>DC Supply (-48 V)</i>	-44 V to -57 V
<i>DC Current (-50 V Supply)</i>	
<i>Load 4000 Ω</i>	> 10 mA
<i>1200 Ω</i>	25 mA
<i>0 Ω</i>	< 50 mA
<i>Noise with 600 Load</i>	< -85 dBm
<i>Bridging Loss (200 Hz to 20 kHz)</i>	< 0.1 dB
<i>Balance Ratio (200 Hz to 20 kHz)</i>	> 40 dB
<i>Maximum Signal Level</i>	+10 dBm
Ring Generator	
<i>Frequency</i>	25 Hz
<i>DC Voltage</i>	-50 V
<i>AC Voltage</i>	63 Vrms
<i>Cadence</i>	On 0.4 s
	Off 0.2 s
	On 0.4 s
	Off 2.0 s
<i>Ring Trip current</i>	6 mA
Interfaces	
<i>Line Interface</i>	3-pin 4 mm CF connector
<i>TMSA11 Interface</i>	3-pin 4 mm CF connector
<i>Power Supply</i>	2-pin 4 mm CF connector
General	
<i>LEDs</i>	DC Feed
<i>Operating Temperature</i>	0 °C to 50 °C
<i>Storage Temperature</i>	-20 °C to 60 °C
<i>Dimensions</i>	178 mm x 45 mm x 55 mm
<i>Weight</i>	400 g

Data subject to alterations without notice



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