

# BAT10 floating output amplifier

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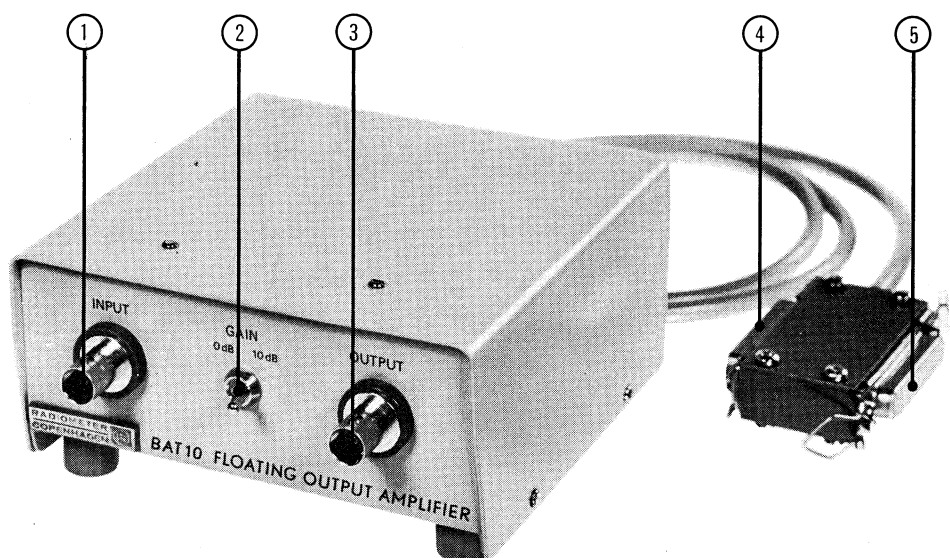


## OPERATING INSTRUCTIONS

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### INTRODUCTION

The BAT10 FLOATING OUTPUT AMPLIFIER is used to convert the unbalanced OUTPUT of the BKF10 Automatic Distortion Analyzer into a true floating output galvanically isolated from the distortion meter input. It also includes an amplifier with 0 dB or 10 dB amplification, specially intended to expand the maximum OUTPUT EMF of BKF10 from 1 V to 3 V r.m.s., if desired.



## INSTRUCTIONS

### (1) INPUT connector

To be connected to the BKF10 Oscillator OUTPUT connector, using the 617-006 Cable. Input impedance: 10 k $\Omega$ .

### (2) GAIN, 0 dB - 10 dB switch

In position 0 dB, the OUTPUT EMF is identical with the BKF10 OUTPUT EMF. Max. 1 V r.m.s.

In position 10 dB, the OUTPUT voltage is 10 dB higher than the BKF10 OUTPUT EMF. Max. 3.16 V r.m.s.

Note that in the 10 dB position, 10 dB should be subtracted from the BKF10 INPUT/OUTPUT RATIO reading.

### (3) OUTPUT connector

Floating output to be connected to the input of the device under test.

Output impedance: 600  $\Omega$ . Intrinsic distortion of BAT10: < 0.01%.

### (4) Male 25-pole connector

To be connected to the 25-pole CONTROL/RECORDER connector on the rear panel of BKF10 for power supply to the BAT10 Amplifier. Note that the power supply is also used in the 0 dB position of the GAIN switch.

### (5) Female 25-pole connector with spring clamps

For CONTROL/RECORDER purposes. All signals from the BKF10 CONTROL/RECORDER connector are directly fed into this connector.

## SPECIFICATIONS

Frequency range:	20 Hz - 20 kHz
Gain:	0 dB $\pm$ 0.5 dB or 10 dB $\pm$ 0.5 dB
Frequency response:	$\pm$ 0.3 dB
Harmonic distortion:	< 0.01%

**Data subject to change without notice.**