

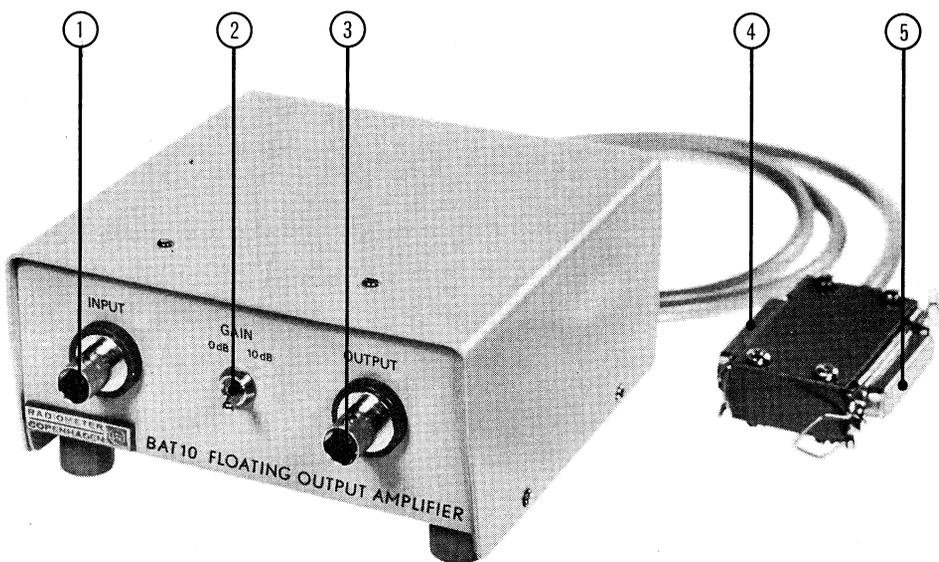
BAT10 floating output amplifier



OPERATING INSTRUCTIONS

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 Ω .
- (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 Ω . 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.