

9834 AND 9834-1 ELECTRONIC D-C NULL DETECTOR

PART I GENERAL INFORMATION

1. INTRODUCTION

This instrument is a highly sensitive null-point detector for use in potentiometric and bridge measurements. Having non-linear meter response, the detector remains on scale for large unbalance signals, but retains a switch-selected sensitivity at the null point. The input circuit is

guarded against adverse effects of leakage current paths, permitting use of the detector in guarded as well as unguarded applications. Designed primarily for use as a null indicator, the detector may also serve as a non-linear preamplifier through the use of an output voltage available at a connector on the back of the instrument.

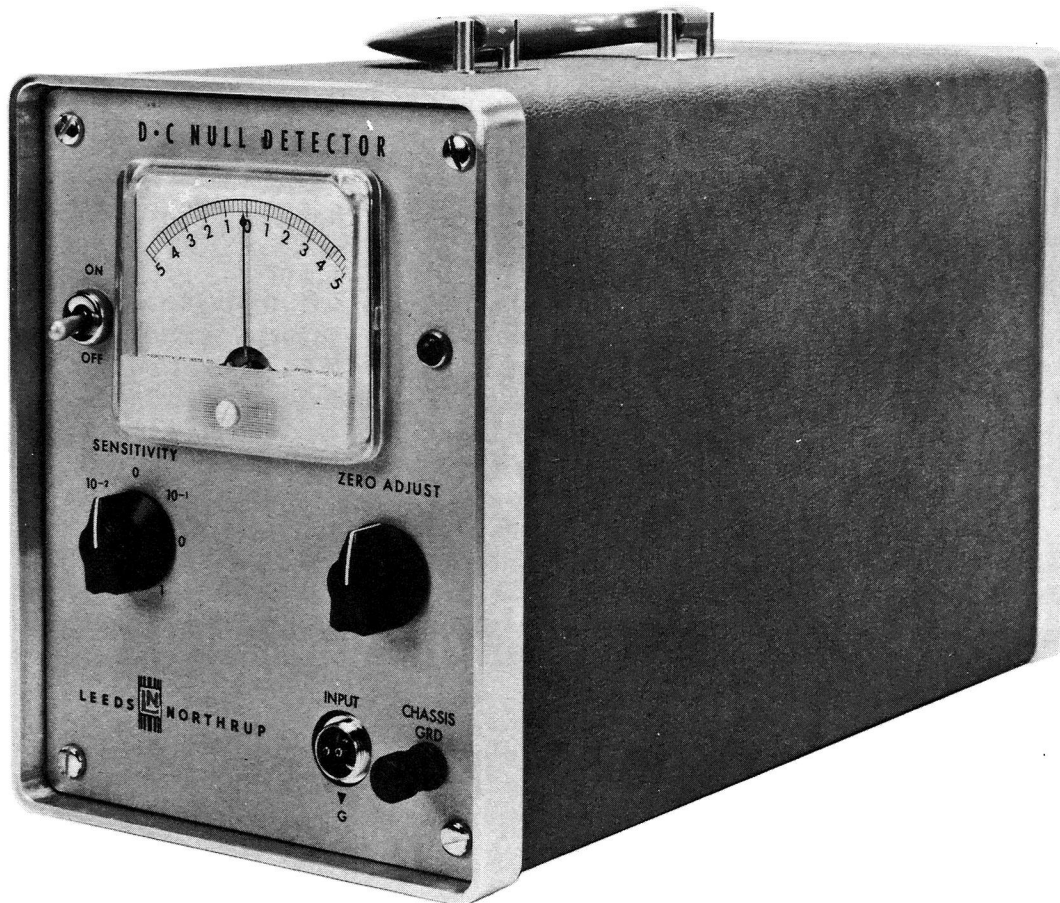


Fig. 1—The 9834 Electronic D-C Null Detector.