For low-level d-c measurements use these new, L&N triple-purpose Amplifiers

High precision checking and calibrating under factory conditions using D-C Indicating Amplifier as null detector for accurate bridge and potentiometer circuits. Through combination of a-c amplification and balanced feedback network, zero and gain stability are designed right into instrument. Trimmer controls are eliminated.

### Specifications

<table>
<thead>
<tr>
<th>MICROVOLT UNIT</th>
<th>MICRO-MICROAMPERE UNIT</th>
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<tbody>
<tr>
<td>No. 9835</td>
<td>No. 9836</td>
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<tr>
<td>FULL SCALE RANGES WITH BUILT-IN 4&quot; METERS</td>
<td>Of amplifier: ±0.4% of reading; Of meter: ±1%</td>
</tr>
<tr>
<td>0 to 50 or -25 to +25 Microvolts; scale multipliers: 1, 2, 4, 10, 20, 40</td>
<td>Of amplifier: ±0.5 to 0.8% of reading; Of meter: ±1%</td>
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</table>

**Accuracy**

- Of amplifier: ±0.4% of reading; Of meter: ±1%
- Of amplifier: ±0.5 to 0.8% of reading; Of meter: ±1%

**Zero Offset**

- Max. offset: ±0.5 Microvolt
- Max. offset: ±2% of scale

**Source Resistance**

- Up to 10,000 ohms: 0.1 megohm or more.

**Response Time**

- 2 to 3 sec.

**Output**

For full scale input on any range: 10 millivolts at output impedance of 500 ohms for null recorder; 1 volt for 20,000-ohm external meter.

- Front panel fits standard 19\" relay rack.

### Can be used as...

- Direct-reading microvoltmeter or micro-microammeter
- Recorder preamplifier
- Null detector

These new D-C Indicating Amplifiers are the answer for all your low-level measurements with thermocouples, strain gages, bolometers—bridge and potentiometer circuits—ionization, leakage, and phototube currents—almost any measurement of extremely small direct current or voltage.

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- Direct-reading instruments—Scale multiplier knob lets you select the range in which you want to work.
- Recorder preamplifiers—with broad flexibility. One or two degrees temperature difference can be spread right across a 10\" Speedomax recorder chart.
- Null detectors—more sensitive than most reflecting galvanometers, yet with full scale response time of only 2 to 3 seconds. Leveling is unnecessary; the instrument is not affected by vibration. At the turn of a range knob, you have available a wide choice of sensitivities. And when using non-linear response, not only does the instrument stay on scale at extreme unbalance; sensitivity increases automatically as the null point is approached.

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* The American Review of Tuberculosis Vol. 60, No. 1, July 1949

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