SPECIFICATION

Item No. T-2 Carbon Transmitter
1. **Characteristic** 特性

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>Hz</td>
<td>300-3400</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>dB</td>
<td>0 ± 3</td>
</tr>
<tr>
<td>Dynamic Resistance</td>
<td>Ω</td>
<td>25-85</td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>V</td>
<td>3</td>
</tr>
<tr>
<td>Rated Current</td>
<td>mA</td>
<td>35-120</td>
</tr>
</tbody>
</table>

*Test Diagram* 测试框图
2. Dimension 外形图

- Dimensions:
  - Diameter: $\varphi 45.5 \pm 0.3$
  - Height: 145.0 \pm 0.3

Label: T-2
3. Frequency Response Limit Curves

4. Reliability Test

4.1 High Temperature Test
Temperature: +50°C
Duration: 72h

4.2 Low Temperature Test
Temperature: -20°C
Duration: 72h

4.3 Temperature Cycle Test
Temperature: -20°C/+50°C
Temperature change: 1± 2°C/min
-20°C Duration at -20°C: 2h (each cycle)
+50°C Duration at +50°C: 2h (each cycle)
Duration for one cycle: 8h
Cycle: 10
4.4 Humidity Test
Temperature 湿度 40±20°C
Relative Humidity 相对湿度 90-95%
Duration 周期 96h

4.5 Load Test
Input Power 输入功率 10mv white noise 24h

4.6 Vibration Test
Frequency 振动频率 vary from 10 to 50Hz and back to 10Hz in each of 3 directions
Direction 振动方向 3axes
Amplitude 振幅 3mm
Duration 6h (2h in each of 3 directions)

4.7 Drop Test
Direction random drop
Height 1m
Floor Concrete floor faced with 5mm thick hard wood board
Number of drop 10 times

5. AQL
Sensitivity 0.4
AC Impedance 0.4
Outer Diameter 1.5
Outer Diameter 1.5
Appearance 1.5