



## SCW MEDICATH LTD.

SuiteA 1403,Tianan Cyber Park, North Huangge Road,Central City,Longgang District,  
Shenzhen 518172,China

Tel:86-755-89372160 Fax:86-755-89312239

# Transducer Specifications

<b>Operating pressure range:</b>	<b>-50 to 300 mmHg</b>
<b>Sensitivity:</b>	<b>5<math>\mu</math>V/V/mmHg,<math>\pm</math>2%(typically<math>\pm</math>1%)</b>
<b>Non-Linearity and Hysteresis:</b>	<b><math>\pm</math>2% of reading or <math>\pm</math>1mmHg,whichever is greater</b>
<b>Sensitivity Thermal Effect:</b>	<b><math>\pm</math>0.1%/degree C</b>
<b>Zero Thermal Effect:</b>	<b><math>\pm</math>0.3mmHg/degree C</b>
<b>Zero Drift With Time:</b>	<b><math>\pm</math>1.0mmHg/8 hours after 10 min,warm-up to operating temperature</b>
<b>Leakage Current:&lt;2<math>\mu</math>A@115 VAC RMS at 60Hz</b>	<b>Unbalance:<math>\pm</math>75 mmHg</b>
<b>Overpressure Protection:</b>	<b>-400 to <math>\pm</math>4000 mmHg</b>
<b>Operating Temperature:</b>	<b>15<math>^{\circ}</math>C to 40<math>^{\circ}</math>C</b>
<b>Excitation Voltage and Frequency:</b>	<b>2 to 10 VDC or VAC RMS,up to 5kHz</b>
<b>Asymmetry:</b>	<b>&lt;1%</b>
<b>Operating Life:</b>	<b>&gt;500 hours</b>
<b>Storage Temperature:</b>	<b>-25<math>^{\circ}</math>C to + 70<math>^{\circ}</math>C</b>
<b>Defibrillation Withstand:</b>	<b>5 discharges/5 minutes of 400 joules@50 ohm load</b>
<b>Natural Frequency:</b>	<b>&gt;200Hz in saline</b>
<b>Phase Shift:</b>	<b>&lt;5 degrees at 5 kHz</b>
<b>Output Impedance:</b>	<b><math>\cong</math> 400 Ohms</b>
<b>Input Impedance:</b>	<b>350 Ohms<math>\pm</math>10%</b>