


**Advance Multi-Scale Differential Pressure Meter  
and  
Flow Computation & Balancing Software**

**Advance C9557/SIL Hand Held Digital Multi Scale Differential Pressure Meter**

<ul style="list-style-type: none"> <li>• High accuracy</li> <li>• Selectable Pressure units.</li> <li>• Intrinsically safe models certified EEX ia IIC T4.</li> <li>• Dust and waterproof to IP67.</li> <li>• Gauge ( single input ) or differential ( double input )</li> <li>• Measurement of positive and negative ( vacuum ) pressure.</li> <li>• Adjustable zero value.</li> <li>• Maximum, Minimum and hold functions</li> <li>• Averaged reading function</li> <li>• Selectable auto switch off</li> <li>• Functions as portable calibrator with TK 2 test Kit.</li> </ul>				<p>Advance C9557/SIL portable pressure meter combine high accuracy and speed of response, together with ease of use altogether superior to traditional measurement methods. With measurement capacity up to 7 bar gauge or differential pressure, they have a robust, waterproof design suitable for use in almost any environment.</p> <p>Microprocessor electronics enable readings to be displayed in any one of the available pressure scales. Either input can be connected with the other left open for measurements relative to atmosphere (gauge pressure). Both inputs can be connected for differential pressure measurements.</p> <p>Features include maximum/minimum pressure readings, which can be held and displayed in any available scale; and over-range indication. Accuracy is enhanced by an adjustable zero value and an averaging filter function.</p> <p>Advance c 9557/Sil is specially configured for Hydronic Balancing applications and also suitable for applications gas pressures, boiler flue draught, checking filters in air conditioning systems, laboratories and clean rooms, process pressures, service and maintenance, calibration of other instrumentation</p> <p>All instruments are supplied with tubing and connectors to suit Hydronic balancing using Advance make Balancing Valves.</p> <p>Advance C9557/SIL instrument is suitable for liquid , gas and air measurement.</p>
<b>Scale</b>	<b>For Liquids †</b>	<b>C 9557/SIL</b>		
<b>PSI</b>	Range	0 to ± 100		
	Resolution	0.1		
<b>mbar</b>	Range	0 to ± 6900		
	Resolution	1		
<b>inH<sub>2</sub>O</b>	Range	0 to ± 2750		
	Resolution	1		
<b>inHg</b>	Range	0 to ± 200		
	Resolution	0.1		
<b>mmHg</b>	Range	0 to ± 5200		
	Resolution	1		
<b>torr</b>	Range	0 to ± 5200		
	Resolution	1		
<b>Pa</b>	Range	--		
	Resolution	--		
<b>KPa</b>	Range	0 to ± 690		
	Resolution	0.1		
<b>mmH<sub>2</sub>O</b>	Range	--		
	Resolution	--		
<b>cmH<sub>2</sub>O</b>	Range	0 to ± 7000		
	Resolution	1		
<b>Kgcm<sup>-2</sup></b>	Range	0 to ± 7.0		
	Resolution	0.001		
<b>Maximum Over Pressure Under Pressure</b>		200 PSI 13700 mbar		
<b>Accuracy at 23°C.</b>		± 0.2% of full scale		
<b>Repeatability at 23° C</b>		± 0.1% of full scale		
<b>Operating Range</b>		0 to 50 °C (Temperature), 10 to 90% RH non condensing (Humidity)		
<b>Environmental Rating</b>		IP67, BS EN 60529, IEC 529.		



## **Flow computation software**

To enable site engineers to calculate the flow, Advance will supply software installable on window based Laptop and Desktop, designed for all advance make balancing valves. For determining flow, the engineer need to only select from drop down list the valve model, Size and input the Turns/angle setting on the valve and the differential pressure reading from digital meter/ mercury manometer.

The Units for Differential pressure and flow is selectable by the site engineer. This is a simple to operate soft ware.

## **Hydronic Balancing software**

Advance hydronic balancing software installable on window based laptop and desktop is designed to eliminate complexity of hydronic balancing at site of large complex chilled water system, where advance make balancing valves are installed. The software based on Designed system parameters guide the tab engineer step by step to balance the whole plant and create reports. The schematic view of hydronic chilled water system plant layout with design and balancing status can be viewed on a tree structure by the engineer during the balancing operation.