

Pirani Vacuum Gauge whose usability was refined



SW100 series

5 features of the pirani vacuum gauge SW100 series

Higher usability

Easy set point setting or status checking, etc. by connecting Windows PC / Android.

Flexible analog output

Analog output compatible with models users already own.
*SW100-A: Analog output spec.

Excellent shock resistance

Sensor head that has excellent shock resistant structure.

Excellent corrosion resistance

Excellent corrosion resistant filament material: platinum.

Wide measurement range

Measures pressure range: 5×10^{-2} to 1×10^5 Pa (3.75×10^{-4} to 760 Torr, 5×10^{-4} to 1,013 mbar)

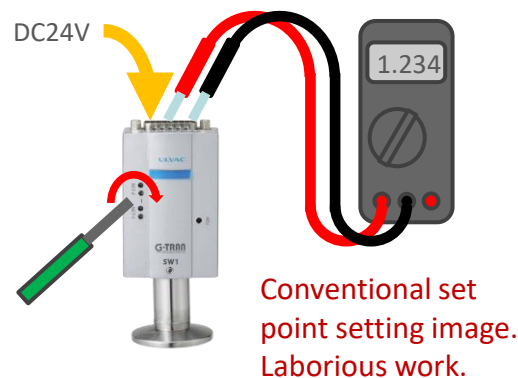
Higher usability

Highly improved usability by connecting Windows PC / Android

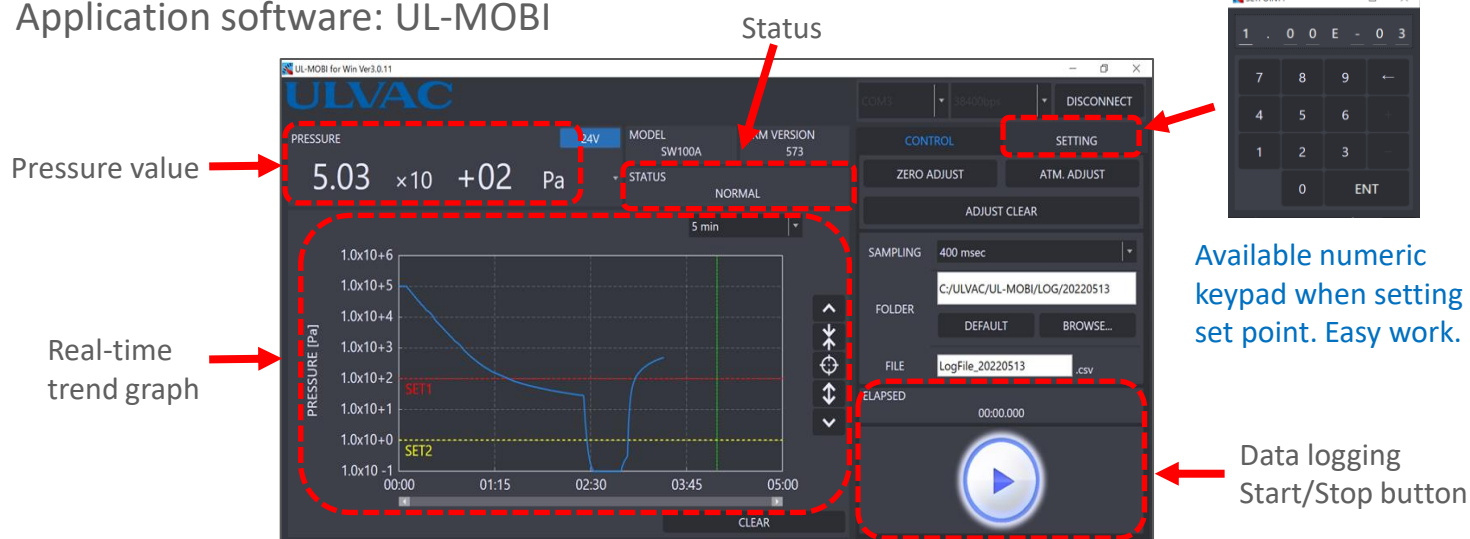
- Easy set point setting (no need for power supply from host systems)
 - Real-time trend graph display
 - Error status display
 - Data logging function (CSV output)
- *Need power supply when measuring.



Image of connection by PC/smartphone



Application software: UL-MOBI



Model	SW100-A	SW100-R
Measurable pressure range	5×10^{-2} to $1 \times 10^{+5}$ Pa 3.75×10^{-4} to 760 Torr 5×10^{-4} to 1,013 mbar	
Accuracy	$\pm 10\%$ (1×10^{-1} to $1 \times 10^{+4}$ Pa, 7.5×10^{-4} to 75 Torr, 1×10^{-3} to 100 mbar) $\pm 20\%$ (5×10^{-2} to $1 \times 10^{+5}$ Pa, 3.75×10^{-4} to 760 Torr, 5×10^{-4} to $1 \times 1,013$ mbar)	
Filament	Platinum (Pt)	
Measurement value output	DC 0 to 10V LOG output	
Set point	2 points (open collector output)	None
Serial communication / Digital output	None	RS232C/RS485
Power supply voltage	DC 14 to 30V	
Dimensions	48 x 30 x 104 mm (with SWP-16)	
Sensor head model	SWP-16 (KF16), SWP-25 (KF25), SWP-P18 (dia.18), SWP-P15 (dia.15), SWP-CF16 (ICF034), SWP-R1/8 (R1/8), SWP-1S (Sanitary)	
Applicable standard	CE	

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