

S1 SINGLE POINT THIN FILM PRESSURE MEASUREMENT SYSTEM (SPM)

SPM (Single Film Pressure Measurement System) single-point thin-film pressure measurement system single set of equipment can be adapted to a maximum of 8 independent thin-film sensors, multiple sets of equipment can be used in tandem, up to 64 channels can be used synchronously. The sampling rate of up to 10KHz allows the system to be used in a wide range of applications such as biomechanics, automotive electronics, structural design, and other industries for numerical pressure measurements on contact surfaces.

Wired (SPM-8U) and wireless (SPM-8W) versions are available.

S1 Single Point Thin Film Pressure Measurement System



The S1 system consists of

SPM-8U/SPM-8W	1 set
Single Point Membrane Sensor	8 sheets
Software	1 set
Thinkpad T490	(Optional) 1 set

S1 System Advantage

Easy to install	Standard $\phi 10$ sensor can be arbitrarily arranged
Fearless of temperature	-40°C - 150°C can be used
Freedom to customize	Sensor size, waterproof performance
Channels in series	Simultaneous connection of up to 8 devices

S1 (Wired) System (SPM-U)
Collector SPM-8U



S1 (Wireless) System (SPM-W)
Collector SPM-8W



Collector SPM-8U parameters

Exterior dimensions	Communication	Frequency	Channel number
235*155*35mm	USB	10KHz	8 channels

SPM-8W parameter collector

Exterior dimensions	Communication	Frequency	Channel number
235*155*35mm	WIFI	10KHz	8 channels

S1 Single Point Membrane Pressure Measurement (SPM) Application Examples



Abdominal Breathing Training Belt



Virtual Reality Device Comfort Test



Simulation of rocket motor stress test