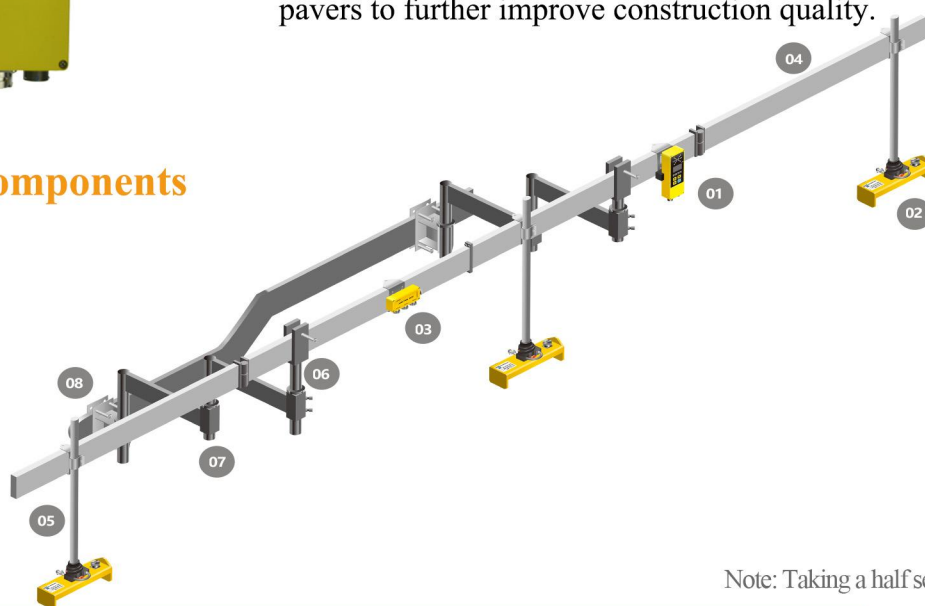


Multi-sonic Sensors Average Leveling System

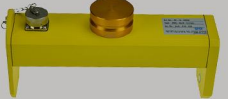
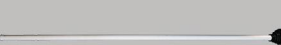


The SMC-8428 Multi-sonic Sensors Average Leveling System is based on advanced micro-processing technology and adopts CAN-bus technology (Controlled Area Network), which ensures the system's reliability and control accuracy. It is suitable for operation sites with harsh working conditions such as strong electromagnetic interference, high temperature, vibration and impact, like asphalt pavers and milling machines. This system is an important controlling instrument for asphalt pavers. In recent years, it has completely replaced other traditional leveling instruments, providing a more powerful guarantee for asphalt pavers to further improve construction quality.

System Components



Note: Taking a half set of beams as an example

01	Controller	1 pcs	
02	Sonic-ski sensor	3 pcs	
03	Junction box	1 pcs	
04	Aluminum beam	1 set	
05	Hanging rod	3 pcs	
06	Shock-absorbing rod	2 pcs	
07	Inner & outer support brackets	4 pcs	
08	Arm clamping plate	2 pcs	

Controller

- Adopting digital control mode, forming a control network with sensors via the CAN-bus protocol, is compatible with various CAN digital sensors on the paver such as grade and slope, and has strong expandability.
- The control dead zone can be configured according to working conditions, and the up/down speed of hydraulic cylinder is adjustable.
- The LCD screen displays real-time data. All operation interfaces adopt text or graphic prompts for easy learning and user-friendly operation.
- With built-in self-diagnostic function, the system faults are clearly displayed on the screen.
- Fully interchangeable with similar products from imported brands. Applicable to asphalt pavers, milling machines, motor graders and other machines.



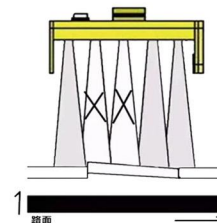
Sonic-Ski Sensor

- The sensor is equipped with six ultrasonic probes, all original imported military-grade high-power probes.



Average-value calculation of the sensor

- Five independent probes work, Only three data sets close to the actual measured values are selected to calculate the average value.



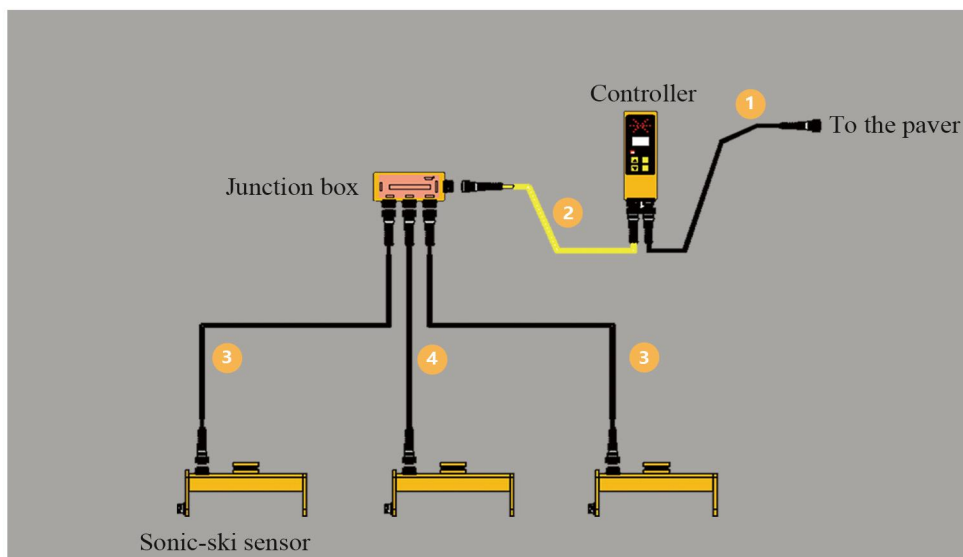
Sensor for string-line reference

- A single sensor can replace the traditional grade instrument for string-line reference. Non-contact measurement reduces the interference because of string-line deflection.



Sensor for curb-reference

- A single sensor can replace the traditional grade instrument for curb or joint reference. No mechanical wear and material adhesion occur.



Note: Taking a half set of beams as an example

Technical Parameters

- Operating voltage: +10V~35V
- Operating current: 150mA
- Communication type: CAN-bus
- Output current: 3A
- Output signal: NPN / PNP selectable
- Output frequency: 3Hz
- Measuring range: 20cm~100cm
- Resolution: 0.2mm
- Probe frequency: 200KHz
- Operating temperature: -10~85°C