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TECHNICAL SHEET

SLAB COUNTER

One or more underground SLABs sensitive to micro-variations in pressure are used to detect footsteps. A timer system prevents overcounting if a person steps twice on the SLAB. For wide passages, the dimensions and spacing of the SLABs make it possible to count people walking alongside each other, while maintaining an accuracy of ± 5%.

+ Completely invisible
+ Battery powered
+ Seamless data transmission

Physical Characteristics

SLAB External Dimensions	+ Length= 60 cm (23.5") + Width = 50 cm (19.5") + Thickness = 1.5 cm (0.5")
Transducer Dimensions	21mm x 105mm x 48mm (0.9" x 4.1" x 1.9") (1 transducer per SLAB)
SLAB Sensor Weight	4.5 kg (10 lbs.)
Connectics	RJ45
SLAB Sensor Material	Polyvinyl Chloride
Breaking Strength	3.5 tons
Sensitivity	10 kg (22 lbs.)
Burial Depth	± 5 cm (2")
Installation	Completely undetectable once buried

General Characteristics

Technology	Acoustic
Battery Life	+ With automatic data transmission option: 2 years + With manual data collection: Up to 10 years
Calibration	Autocalibration
Accuracy	± 5%
Covered Width	Up to 10 meters (33')
Direction	Direction recognition in option (2x2 SLABs maximum)
Waterproofness	IP 68
Data Backup	60-minute or 15-minute data recording interval
Memory	> 20 Months
Temperature Resistance	+ Operating temperature limits for the electronics: -40 °C / +40 °C (-40 °F to 104 °F) + Optimal operating temperature range for the system: -10 °C / +40 °C (-14 °F to 104 °F)

Unidirectional system with 8 SLABs, without direction detection and with honeycomb overlay

eco counter

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Honeycomb Overlay

For hard-packed soil or soil susceptible to erosion, the SLAB can be delivered with a protective honeycomb overlay to stabilize the soil and prevent the SLAB from being uncovered.

Asphalt Kit

For surfaces covered with asphalt or paving blocks, specific solutions such as loose ground kits or floating SLABs allow inconspicuous installation without sacrificing the sensor's accuracy.

Floating SLABs

The Sensor Floating SLAB is an Acoustic SLAB Sensor surrounded by a rubber joint. This rubber joint makes it possible to install the SLAB Sensor under coatings such as concrete, cement, asphalt, etc.

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