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AarteLink® – Rock crevice monitoring

Rock crevice monitoring made easy! With AarteLink®
labile blocks of rock and rock movements can be permanently
monitored with the least possible material expense.

The system is a combination of sensors, sophisticated electronics and telecommunications technology. From the beginning, it has been uncompromisingly designed for harsh everyday use in nature. The extensometer and the data transmission is powered by the GeoSensor. It offers operating autonomy up to 10 years. Individual threshold values can be easily configured for spontaneous alarm warning. The GeoSensor ensures permanent transmission of exact distance and temperature values as well as life signs using the radio interface

The GeoSensor – the core of AarteLink®

+ Robust and hermetically sealed housing
+ Enormous battery lifetime
+ Very long radio reach
+ Remote configuration of the GeoSensors by radio

Main benefits

+ Quick and flexible use
+ Independent of the mains
+ Permanent monitoring of the entire system
+ Independent of vegetation
+ Low maintenance

AarteLink® – timely alarm may save lives

Technical Information

GeoSensor	Sensor types	High resolution position measurement along 3 axes Acceleration along 3 axes, 15 mg to 24 g Optional: Additional Meteo sensors
	Radio (868 MHz)	up to several km away from the gateway
	Power supply	Autonomy 10 years
	Size of build	D = 70 mm, H = 63 mm
Extensometer	Measurement range	0 … 50 mm/linearity ± 0.075 %
	Resistance	5 kOhm
	Protection class	IP67
	Size of build	Length (without rod end bearing) = 131.5 mm, D = 25 mm Rod end bearings for D = 8 mm, D = 12 mm threaded rods oder rock anchors
	Power supply	from Battery GeoSensor
AarteLink® Monitor	Configuration	Of gateway and sensors (remote incl. software download)
	Technology	Web-based system, separate text message server
	Alarm reception	Well-structured alarm display, Alarm forwarding with email and text message
	Monitoring	By periodic life signs from the sensors
Mobile phone	Alarm reception Monitoring	Simple presentation of status messages and alarms by text message, voice call
Interface the operation center	Alarm reception Monitoring Configuration	AarteLink® can be easily integrated into existing operation centres with various interfaces

For more information, see aartelink.ch

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