

PORE WATER PRESSURE MONITORING

INSTRUMENTS	APPLICATION	RANGE	ACCURACY	RELIABILITY
Casagrande Piezometer	Monitoring pore-water pressure to determine slope stability.	---	0,2% FS	High
	Monitoring seepage and ground water movement.			
elektrik Piezometer	Monitoring pore water pressures to determine safe rates of fill or excavation.	0-20 MPa	0,3-0,5%FS	High
	Monitoring pore water pressures to determine slope stability.			
	Monitoring the effects of dewatering systems used for excavations.			
	Monitoring the effects of ground improvement systems such as vertical drains and sand drains.			
	Monitoring pore pressures to check the performance of earth fill dams and embankments.			
	Monitoring pore pressures to check containment systems at land fills and tailings dams.			
Pneumatic Piezometers	Monitoring pore pressures to determine safe rates of fill or excavation.	0-2 MPa	0,1%FS	high
	Monitoring pore water pressures to determine slope stability.			
	Monitoring the effects of dewatering systems used for excavations.			
	Monitoring the effects of ground improvement systems such as vertical drains and sand drains.			
	Monitoring pore water pressures to check the performance of earth fill dams and			

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	embankments.			
	Monitoring pore water pressures to check containment systems at land fills and tailings dams.			

HYDROGEOLOGICAL PARAMETERS

INSTRUMENTS	APPLICATION	RELIABILITY
Multiparameter:	to 20 bar.	GOOD
electrical conductivity, Ph , O2 , Redox-Potential , Temperatur , TDS , Salinity , Uranin	Tracertest 10 cm/sec	

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