

Datasheet of GN309 Nodal Seismograph

Geophone Parameters:

Natural Frequency	2Hz
Sensitivity	260 V/m/s
Bandwidth	5s~200Hz

Physical Parameters:

Size	Φ125mm, H165mm
Weight	<1.6 kg (with battery without cone)
Waterproofness	IP68
Operation Temperature	-40°C~85°C

Electronics Parameters:

Channels	Single-Channel
Battery Life	Built in battery 20 days (4G transmission mode).
Synchronization Accuracy	≤1 μs (After GPS signal lock)
AD Converter	32Bit ADC
Preamplifier Gain	0dB, 6dB, 12dB, 18dB, 24dB, 30dB, 36dB
Sampling Interval	4ms, 2ms, 1ms, 0.5ms, 0.25ms
Maximum Input	5 V
Dynamic Range	123dB (1ms Sampling Interval, 0dB Preamplifier Gain)
Noise Level	0.11μV RMS(1ms Sampling Interval, 36dB Preamplifier Gain)
Common-mode Rejection	>110dB (1ms Sampling Interval, 0dB Preamplifier Gain)
Harmonic Distortion	<-122dB (1ms Sampling Interval, 0dB Preamplifier Gain)

Charging and Data Recovery Cabinet

Number of Channels	16 Channels(Charging and data recovery at same time)
Weight	4.7 kg
Size	360mm*280mm*180mm
Data Transmission Interface	RJ45 Ethernet
Charging Current	Single Channel Max 4A, 16 Channels Max 58A
Input Power	220V/110V AC, Max Current 5A, Max Power 1100W