

JEW WIRELESS SEISMOGRAPH

TECHNICAL SPECIFICATIONS

A/D Resolution	24 bit ADT
Avai lable channels	From 1 to 1020
Sample/trace	256,512,1024... up to 131072
Sample rate	250 up to 32000
Averaging	Always sampling at 32 Khz then averaging for noise reduction
Sample interval	From 0,03125 ms up to 132 sec
Frequence response	0,5 Hz to 1 KHz
Delay time	Up to 8 K samples
Input gain	Remotely selectable p to 60 dB
Time standard	Accuracy 0,01%
Gain accuracy	+/- 0,2%
Input impedance	Matched to sensor
Cross talk	Not avalable
Max input signal	+/- 2V at 0 dB gain
Anti alias filter	4kHz 6 dB/octave
Notch	50-60 Hz
Nyquist frequency	16 KHz
Dinamic resolution	Up to 134 dB
Crossfeed isolation	100dB
Recording format	*SU *SEGY * SEG2
Operating temperature	0°-50° C (better performances with new termo-cases)
Power supply	2 battery AA 1,5 V
Connection port	USB 12 Mb/sec
Triggering	Radio trasmission RED box
Warranty	3 years world wide plus 2 years optional



	RADIO SECTION JEW
	2,4 GHz ISM BAND OPERATION (2,400-2,483 GHz)
	Full digital GFSK modulation 2 Mbps on air data rate
	Automatic free channel selection
	Up to 255 units for each station
	Production up to 4 stations for 1020 channels /field units
	240 meters for standard antenna
	400 meters with high gain directional antenna
	RF Repeater available for large field
	SENSORS SECTION JEW
	MEMS inertial sensor 3 axis linear accelerometers Z Y X
	Selectable by software from 0,1 Hz to 500 Hz broad band
	Possibility to use any normal geophones