

Technical Data of JEA247ESAC

> WATER PROOF <

Structure	PC connected by USB/RS485 to sampling units
Max sampling units number	120 – for more than 24 a repeater is needed
Resolution	24 bit
AD Converter	Sigma Delta
Sampling Frequency (Fs)	250Hz, 500Hz, 1000Hz, 2000Hz, 4000Hz, 8000Hz, 16000Hz, 32000Hz
Number of samples	Fs > 500Hz, max Number 16384
Number of samples	Fs = 500Hz/250Hz max number 5M samples if 24 channels, 2.5M if 48ch , 1M if 120 ch.
Sampling duration	Fs = 500Hz about 2h 50m (24 ch) Fs = 250Hz about 5h 40m (24 ch)
Trigger	Each unit can be connected to a trigger wire of desired length, to work in opening or closing contact.
Power	Rechargeable battery unit included in USB/RS485 box – more than 7h autonomy with 24 units in continuous work.
Bandwidth	Up to 1 KHz, 2 poles low pass filter, DC component rejection
Input impedance	1500 ohm
Nyquist frequency	16000Hz at every Fs
Signal/RSM noise ratio	>124dB at Fs=1000Hz, input shorted
Connection	Units serially connected to PC by RS485 standard, at 1MHz baudrate
Software	Application for Windows XP, 7 and 8 allows easy setting of all acquisition parameters and produces a .sgy file for further analysis
Geophones	Each Unit (corresponding to a channel) can be connected to a geophone with desired specifications