

## Data Logger

Seismic data recording is effected with data loggers, called Seismocorders, from the German company Send GmbH located in Hambourg.

SEND develops and manufactures data loggers for 4-C applications that – by means of low noise preamplifiers and filters – digitize, compress, classify, control and record signals from seismic sensors.

Below a short overview:

### **GEOLON-MES** **(Marine Exploration Seismocorder)** for reflection-, refraction seismic

sample rates from 0.5ms to 8ms; 30GByte hard disk or 8GByte flash disk; 1,5W power consumption; SNR of >130dB; 0.03ppm time stability over a period of up to 3 months using a VC-DTCXO (Voltage Controlled-Digital Temperature Controlled crystal Oscillator); weight: 1,3kg; width: 100mm x height: 169mm x depth: 100mm



### **GEOLON-MLS** **(Marine Longterm Seismocorder)** for passive seismology

sample rates from 5ms to 1sec; 12 PCMCIA slots; 0,25W power consumption; SNR of 78dB@5ms-120dB@1sec; 0.05ppm time stability over a period of up to 12 months using a MCXO (Microprocessor Controlled crystal Oscillator); weight: 1,5kg without memory cards and batteries; width: 100mm x height: 185mm x depth: 100mm



*Both systems are designed for integration in 150mm pressure cylinders. The Geolon-MLS uses PCMCIA memory cards (flash cards or micro drives) for a quick exchange between two deployments. With GEOLON-MES access to the hard disk is done over a fire wire interface. This enables data read out through the pressure cover when the pressure cylinder is closed.*

Delivery of each seismocorder encompasses the communication software SENDCOM enabling their programming and operation from a PC. It also includes the software package SEND2X for the conversion of the saved data in a binary-, audio wave- or SEG-Y format.

For further information contact [kum@kum-kiel.de](mailto:kum@kum-kiel.de) or SEND GmbH directly under [www.send.de](http://www.send.de).



SEND Signal Elektronik GmbH  
Rostocker Str. 20  
D-20099 Hamburg

Phone: +49 40375008-03 Fax: -93  
URL: <http://www.send.de>  
e-mail: [office@send.de](mailto:office@send.de)