Features

- Unlimited number of channels by combining 36 channel modules
- Dynamic range
 137 dB, 150 dB*
- Individual △-∑ ADC per channel 24-bit, 32-bit*
- Adjustable sampling rates up to 2000 sps, 5000 sps*
- True simultaneous sampling with shared clock for up to 36 channels
- Internal Fast SSD hard drive up to 1TB with SATA interface and high storage capacity. Mirroring function on SD card* or USB drive*
- Built-in display for easy inspection of status and parameters
- □ Support for interconnection of multiple devices
- Support for DVI output for direct graphical visualization of data and configuration*
- USB interface for external, removable storage media and communication devices

- □ Continuous and trigger-based recording
- Simultaneous data streaming to several clients
- Wired Ethernet; enhanced connectivity via external landline modems*, 3G cellular devices*, satellite links* and serial links*
- □ TCXO time base with GNSS (GPS, GLONASS, BEIDOU) or NTP synchronisation
- Configuration and status monitoring via Web Interface compatible with Smartphones/Tablets
- □ Simple and secure communication over internet or intranet with full remote management
- **3** option slots for adding peripherals
- Alarm output* with up to 8 independent relays flexibly configurable for different types of events (through 2x4 alarm option boards)
- Power redundancy through dedicated battery input (internal battery charger included)
- Extremely compact and modular with higher channel density than ever



Applications

- Structural Health and Response Monitoring
- Earthquake and Seismic Monitoring
- Ambient Vibration Testing

- Induced Vibration Monitoring and Notification
- Building Code-Compliant Instrumentation
- Seismic Alarm and Safe Shutdown





memory to allow automatic recovery. DC Power: 9 - 38 VDC Sensors 9 - 38 VDC The fora offers the most flexible sensor connectivity options to cater for the needs of any measuring requirement. Any type of sonsor compiling with the fora signal input specifications can be connected on the conveniently variables serve terminals. Consumption: Space 200 VAC / 50 VLz. Consumption: Base SIM modules: - fora-SVC Space 200 VAC / 50 VLz. Consumption: - fora-SVC A conversion of the connected sensors connected with automalic restart after power is restored. Consumption: - fora-SVC Space 200 VAC / 50 VLz. Consumption: - fora-SVC A conversion of the connected on the condition with automalic restart after power is restored. Channels: - fora-SVCP point signal processing SIM - fora-SVCP point signal resupported. Space 200 VCC / 50 VCC (species) Munited at the forn for the fora rack up to 12 SUM per on cancer 24 Bit (rest 201 M - 2 Der channel with analog and dight FIR anti-silesting filters 177 dB gS ds gas 177	System parameters of the fora are stored in the non-volatile system		Power	
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Configuration: fora-OVPS External UMTS/3G modem* Mounted at the back of the fora rack up to 12 SiMs per one rack User Interface External UMTS/3G modem* Channels: 3 channels per SiM An intuitive web interface is available for easy configuration with any web browser. Alternatively the configuration file in XML format can be edited on site through the instrument console, exchanged by replacing the memory card, remotely from a server or through SSH. Although the or 20 mA current loop Sensor Power: same as DC Power 15 or 24* VDC (specify at order) Network based link allows the user optionally to interact with the unit over the Internet, from anywhere around the world. Data Recording Type: Continuous and/or event based Alarm (SiM*) Triggering Type Level or STA/LTA trigger Pre-event-Time: 1 to 720 seconds, typical Pre-event-Time: 1 to 720 seconds, typical Relay Hold-On: 1 to 60 seconds (User programmable) Contacts: Suitable for alow voltage control. In case large loads must be switched, then external relays should be implemented. Data Stream GSBU, SeedLink (Earthworm compatible) Max voltage: -20 °C to +70 °C Storage Memory Size and Type: Internal 64 GB built in SSD hard drive Higher capacity available on request Removable SD card or USB storage on request FAT32 or EXT4 formatted. Max voltage: -20 °C to +70 °C Storage Memory Size a				
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Specifications

Overview

fora is a 19" rack module consisting of Slot-in Modules (SiMs) inserted into vertical slots.

Each fora rack is expandable up to 36 channels and by combining several fora systems, hundreds of channels can be monitored.

System parameters of the fora are stored in the non-volatile system

★: optional



on request

Central Data Acquisition System

Recording format:

Management:

Power

CR series Intelligent management of memory card

capacity using policies as per file type and ring buffer capacity specification.

miniSEED, or with extended information

encapsulated into blockette 2000*.