CR-5P

Seismic, Earthquake and Structural Monitoring System

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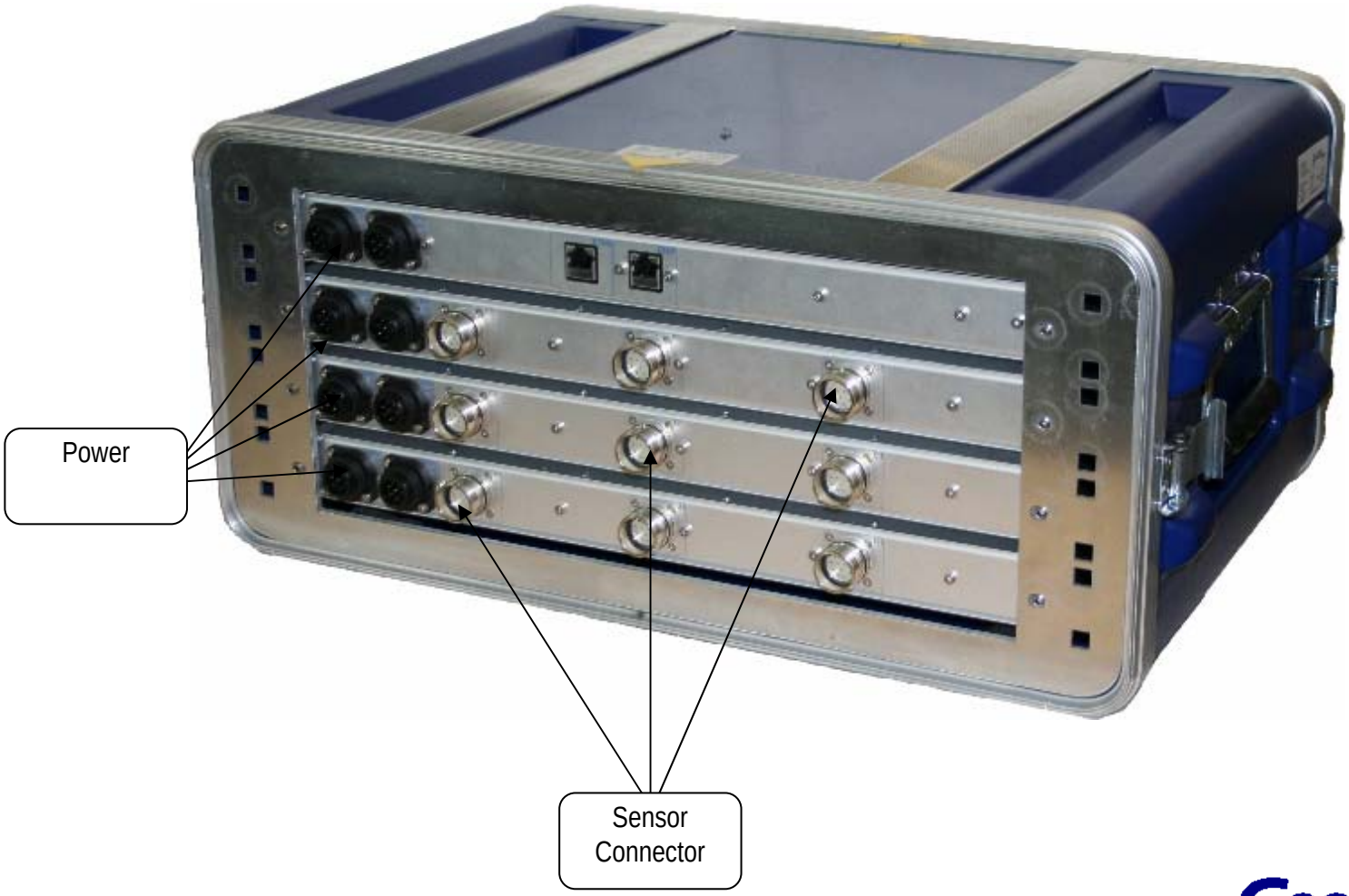
Seismic, Earthquake and Structural Monitoring System, CR-5P (back)



Major Features

Seismic, Earthquake and Structural Monitoring System, CR-5P

- Multichannel modular central seismic / earthquake / structural monitoring and recording system
- Accessible from anywhere around the world through Internet
- Cable saving via distributed data acquisition nodes
- 3, 6 or 9 Channel Modules, 19" rack mountable and expandable to several hundred channels
- 18 or 24 Bit resolution
- Sampling rates 100 and 200 SPS, Optionally 10, 20, 50, 250 SPS
- External 12 VDC Power Supply
- Rugged industrial portable or fixed housing
- Galvanic isolation and over voltage protection
- GPS synchronised recording available
- Real-time display of dynamic channels
- Large capacity data storage options
- On-line surveillance, diagnostics, self checking and reporting system
- Alarm Relays, SMS / Email messenger

CR-5PAD Digitiser

GeoSIG

D183

D183 digitiser comprises RTC and the DSP digitiser module.

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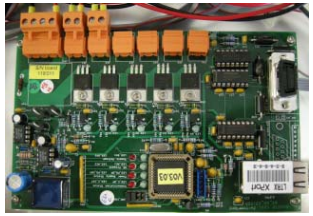
GeoSIG

GS_WD



GS_WD LAN and digitizer **Watchdog**

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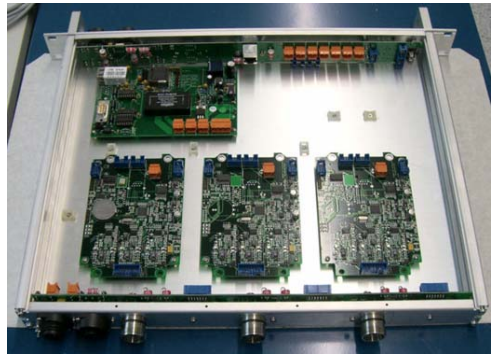
GeoSIG

CR-5PAD



CR-5PADxx (xx: 18 or 24)
9 channel modules
3 x Triaxial connectors or
9 x Uniaxial connectors

3 or 6 channel modules exist

CR-5PRHDx Hard Disk Recorder Module

GeoSIG

Embedded Module

Embedded System with shock resistant harddisk

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GeoSIG

GS_WD

GS_WD LAN and CPU **Watchdog**

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GeoSIG

Embedded Switch

Embedded Switch 8 Port Switch

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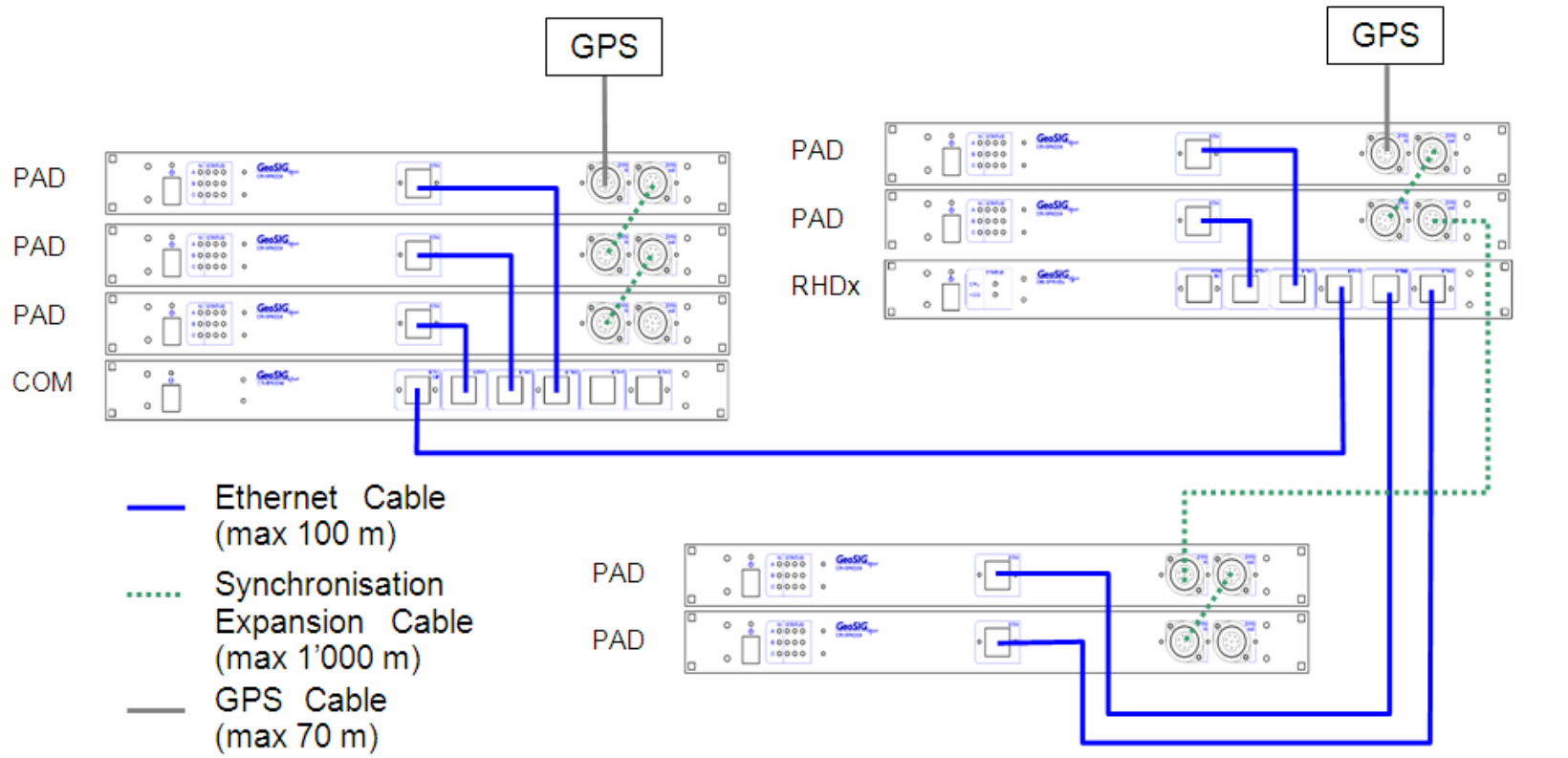
GeoSIG

CR-5PRHDx

CR-5PRHDx (x: 40 to 160 GByte)
Embedded board with storage on Hard Disk: 40 – 160 GByte

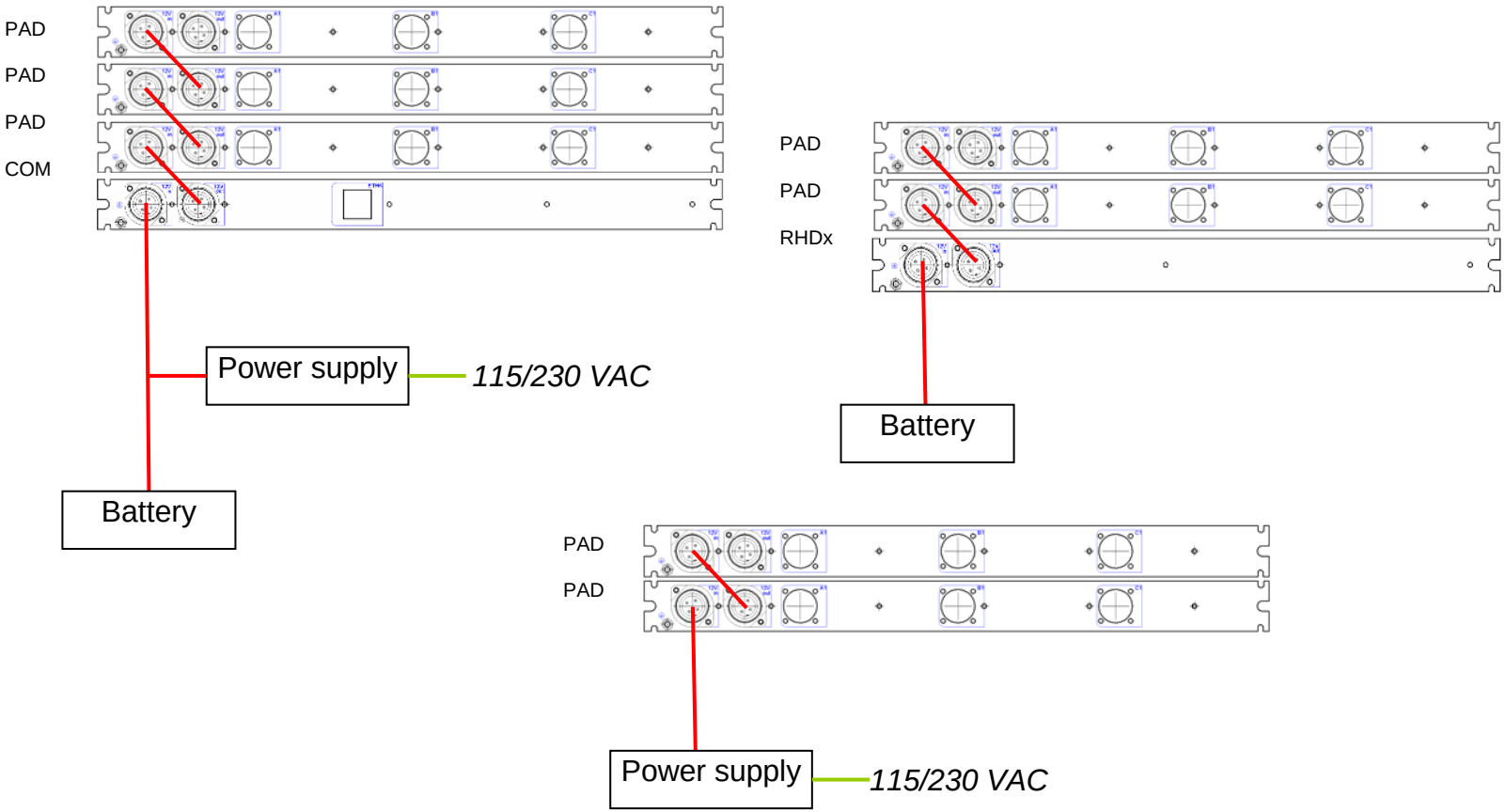
Innovation: Networking

Networking a CR-5P System



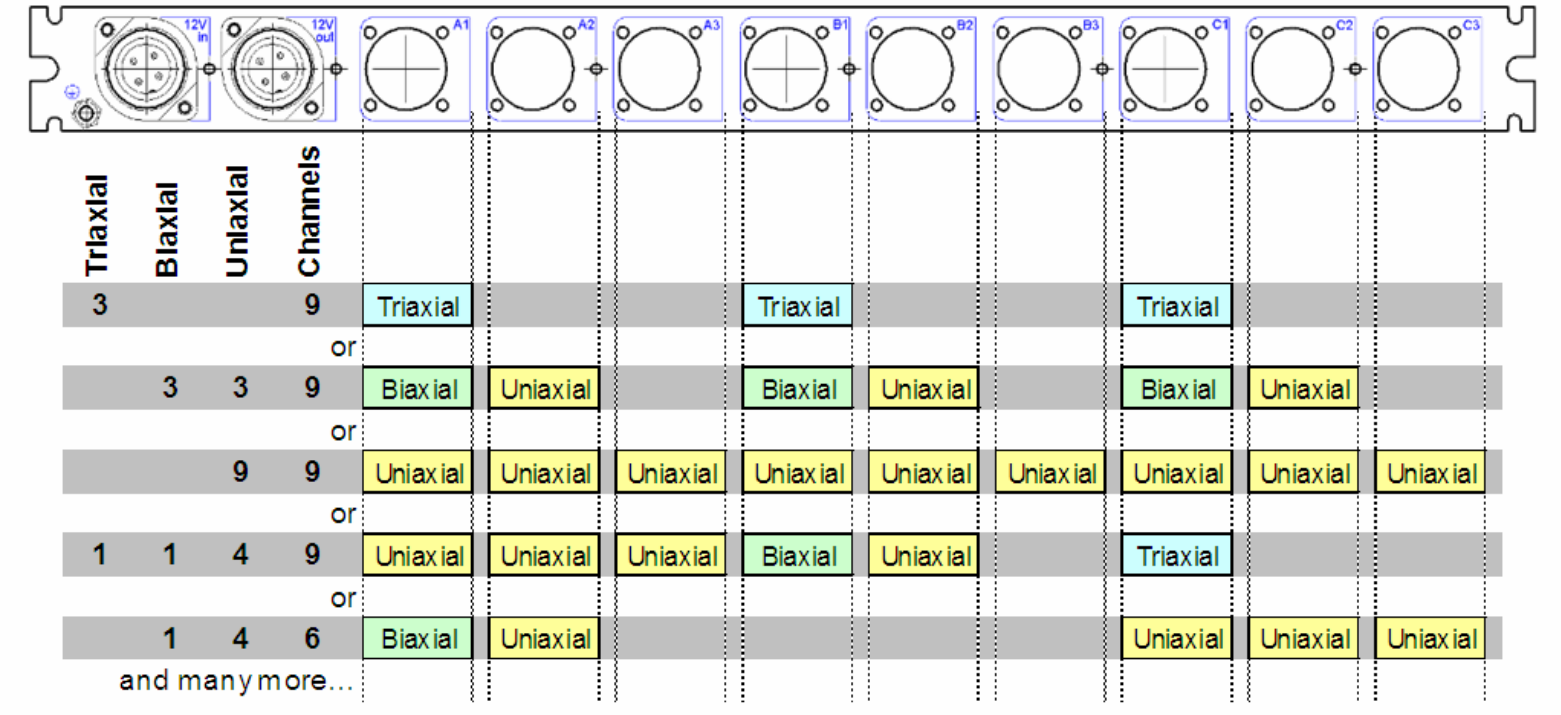
Innovation: Mechanical Design

Powering a CR-5P System



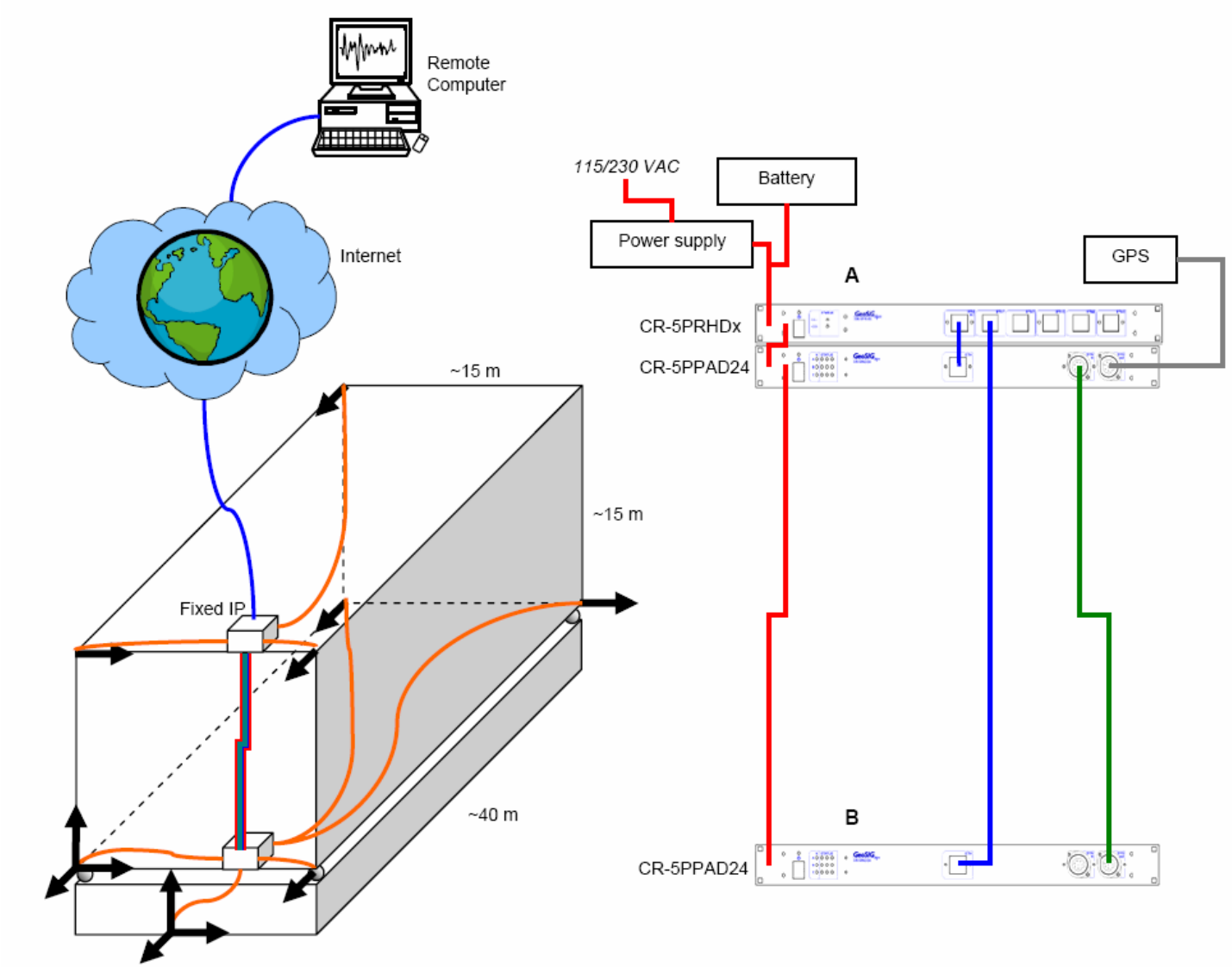
Innovation: Sensor Connectivity

Possible sensor axes connectivity to a CR-5P system

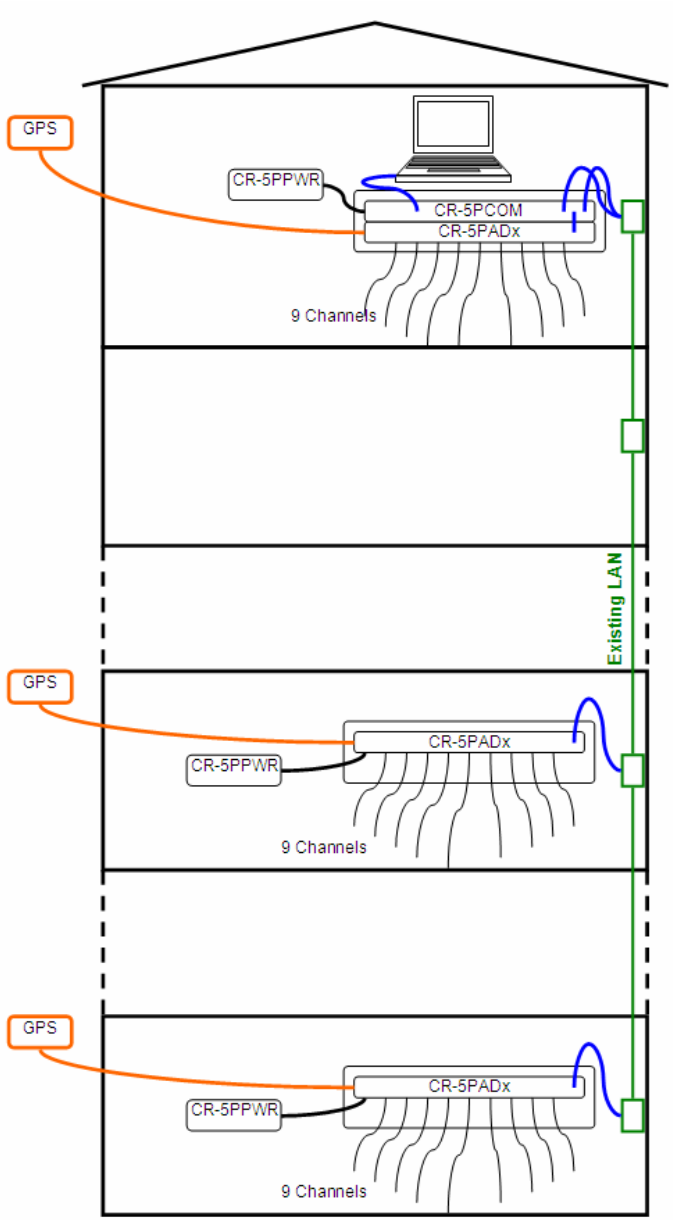


Triaxial	Biaxial	Uniaxial	Channels	A1	A2	A3	B1	B2	B3	C1	C2	C3
3			9	Triaxial			Triaxial			Triaxial		
			or									
	3	3	9	Biaxial	Uniaxial		Biaxial	Uniaxial		Biaxial	Uniaxial	
			or									
		9	9	Uniaxial	Uniaxial	Uniaxial	Uniaxial	Uniaxial	Uniaxial	Uniaxial	Uniaxial	Uniaxial
			or									
1	1	4	9	Uniaxial	Uniaxial	Uniaxial	Biaxial	Uniaxial		Triaxial		
			or									
	1	4	6	Biaxial	Uniaxial					Uniaxial	Uniaxial	Uniaxial
and many more...												

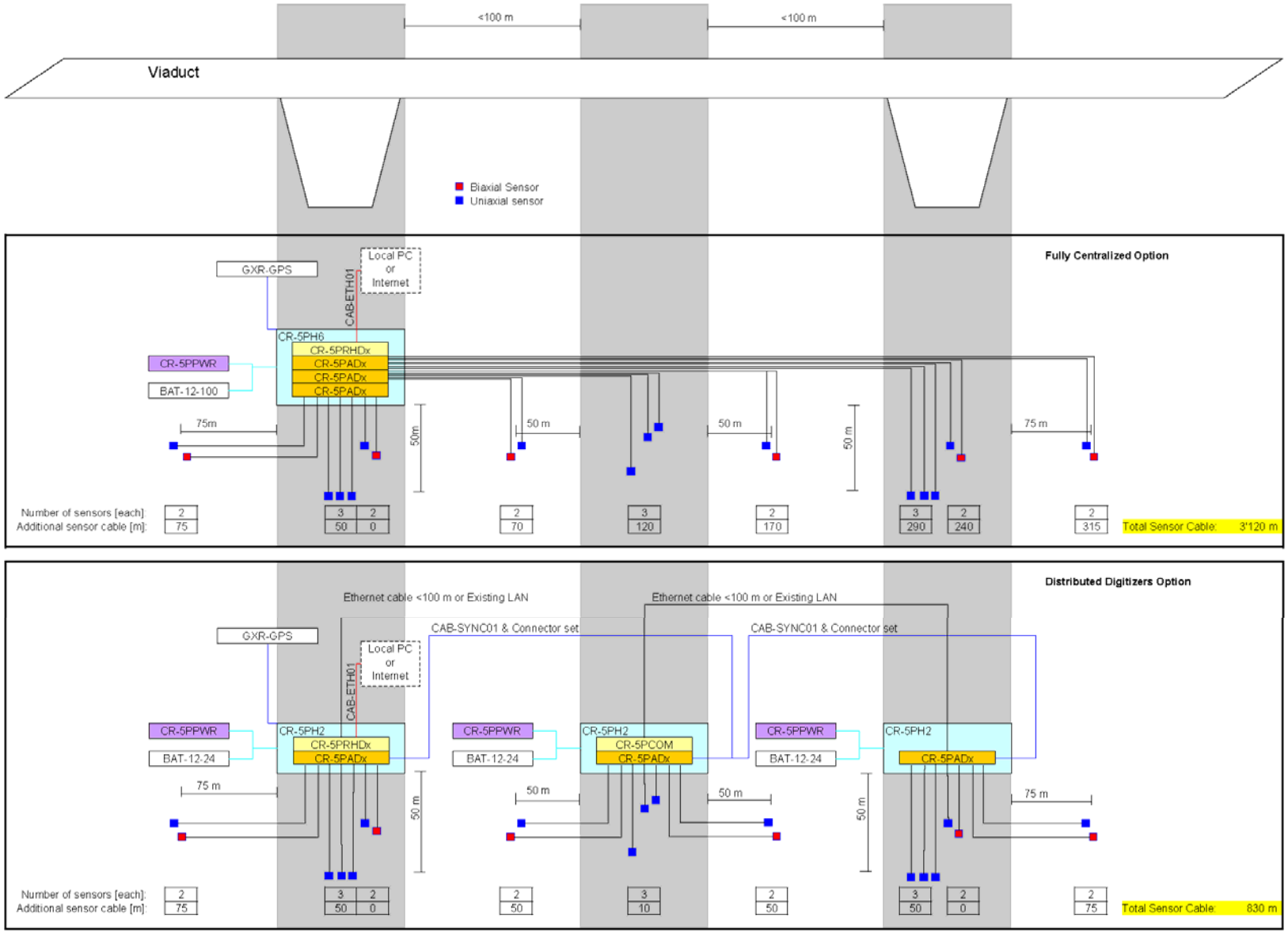
Innovation: Internet Based Building Monitoring



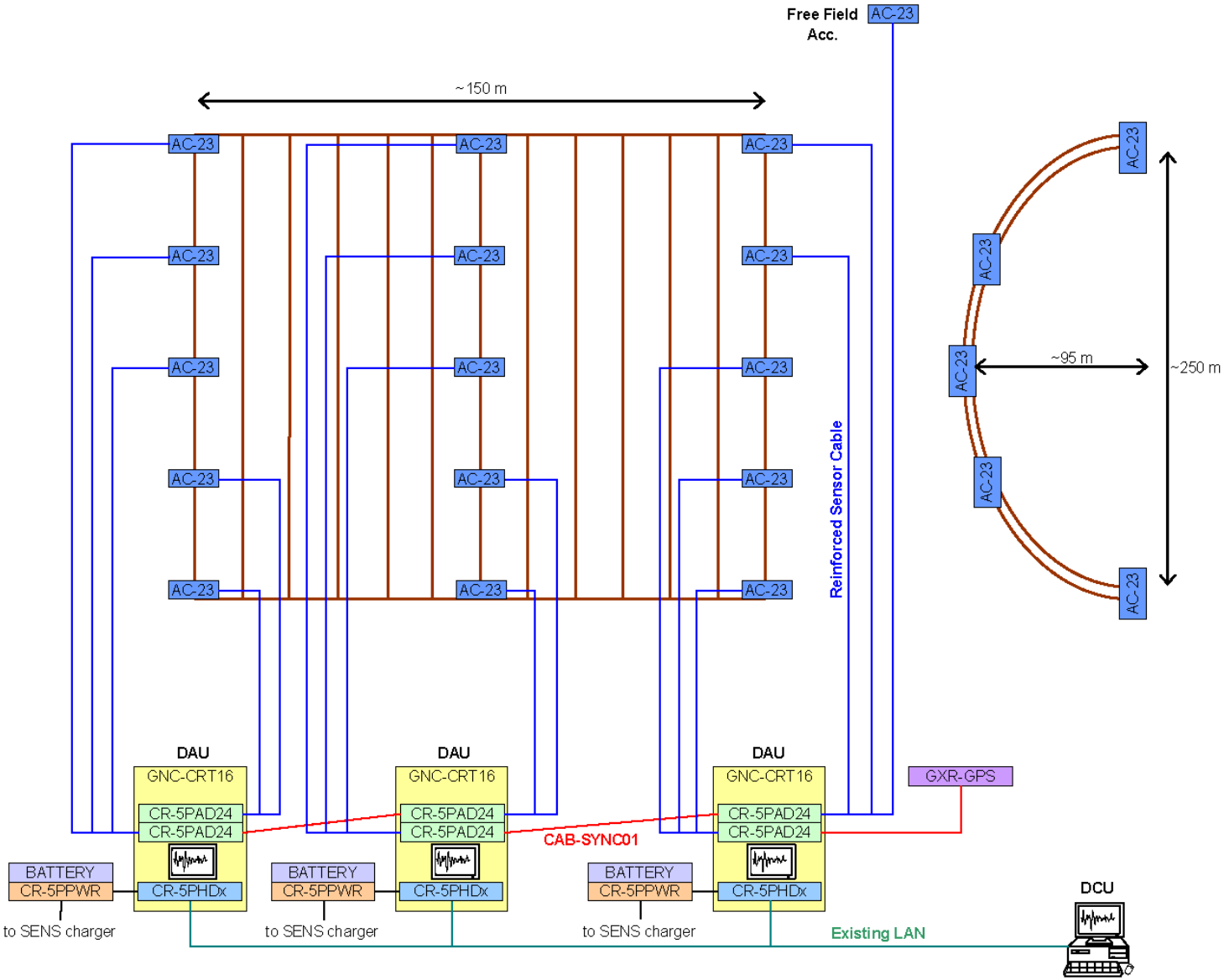
Innovation: Simplified Networking



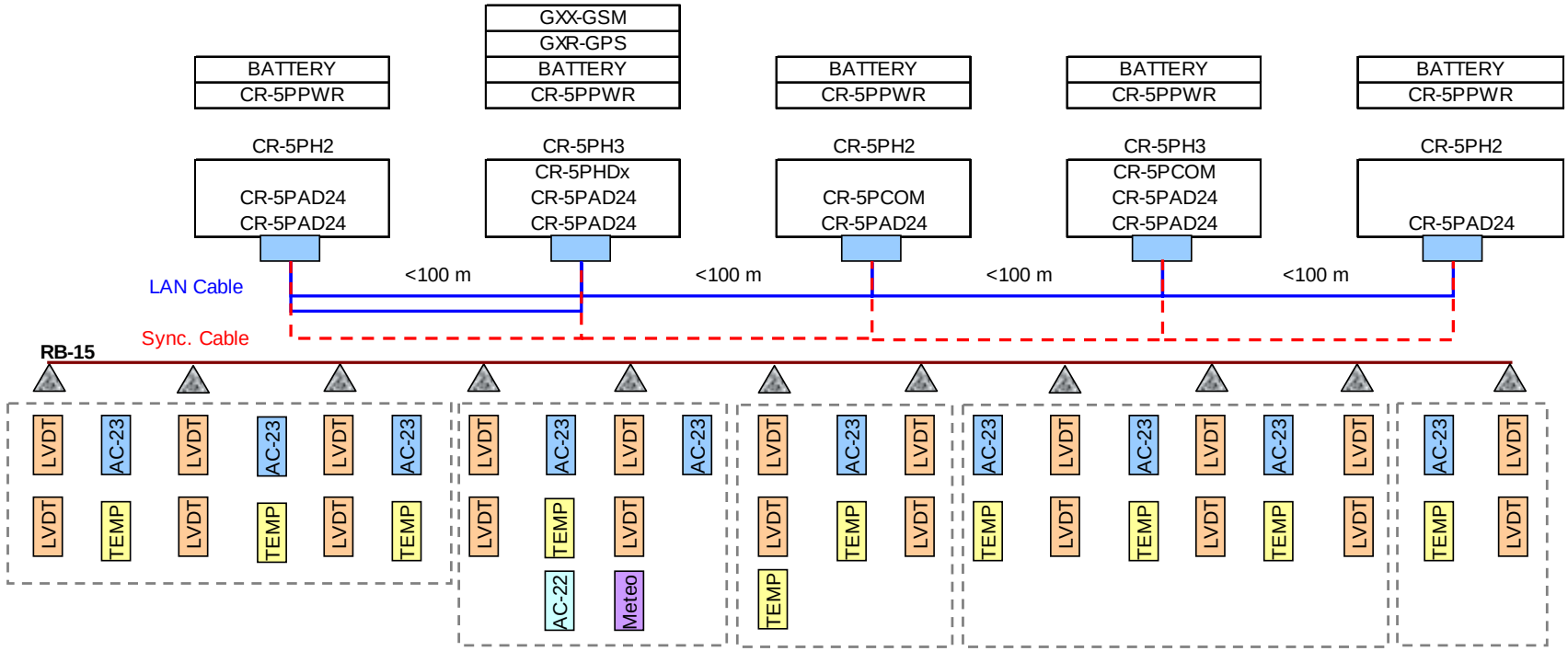
Innovation: Distributed DAQ Nodes - Viaduct



Innovation: Distributed DAQ Nodes - Shield



Innovation: Distributed DAQ Nodes - Bridge



Performance Report: Geological Survey of Canada

Natural Resources Canada | Resources naturelles Canada

CERTIFICAT DE PERFORMANCE

Je, Dr. Andreas Rosenberger, certifie avoir vérifié la conformité du produits GeoSIG indiqué par rapport aux éléments clés des spécifications publiées.

PRODUITS VERIFIES	SPECIFICATION	CONFORMITE
GeoSIG – AC-63	Dynamique de mesure minimum de 120 dB	OUI pour la bande passant suivant ANSS class B 0.1 à 35 Hz.
	Bande passante 0 à 100 Hz	OUI
GeoSIG - CR-5P	Résolution de 24 Bit	Supérieur à 140 dB par conception soit 24 Bit.
	Capacité de communication multi-points	OUI, vérifiée à partir de 2 ordinateurs.
	Durée d'enregistrement	Mesurée avec un disque dur de 120 MB comme étant égal à : 5900 heures pour 1 capteur (245 jours) 2950 heures pour 2 capteurs (122 jours) 1960 heures pour 3 capteurs (82 jours) Pour une consommation de 6.3 MByte / heure / capteur triaxial.

Fait le 26.09.2008 à Aarau par

Dr. Andreas Rosenberger
Geological Survey of Canada
Pacific Geoscience Center
Sidney, BC, Canada V8L4B2
rosenberger@pgc.nrcan.gc.ca

Signature

Canada

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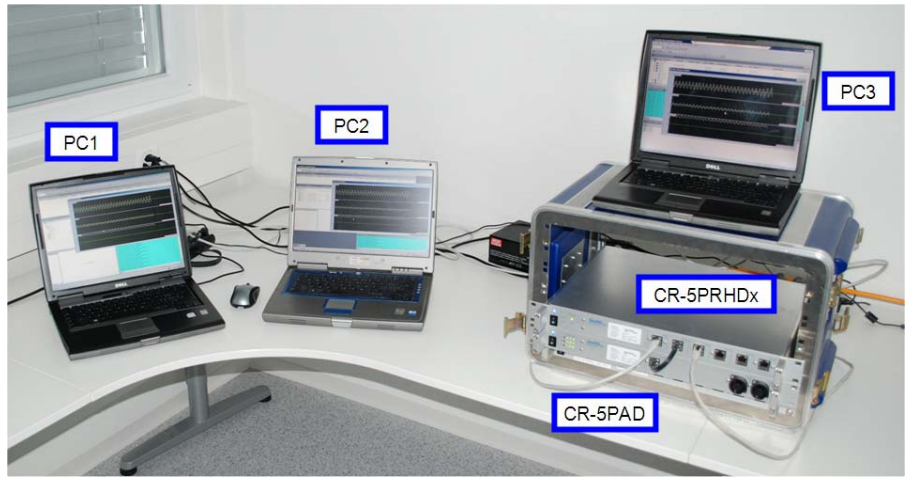

Specifications

Latest Version:

http://www.geosig.com/downloads/leaflets/L_CR-5P.pdf

Thank you…