

Sensors Metadata

General information

Identification	ID	
	long name	Trillium 120 P Broadband Seismometer
	short name	Trillium 120 P
	manufacturer	Nanometrics
	model	Trillium 120 P
	serial number	Trillium 120P: N° serie: 00899 + Taurus Seismograph 1: N° serie: 002099
Classification	application	Broadband Seismometer. A compact portable sensor offering superior broadband performance over a wide temperature range with very low self noise. This low self-noise makes the Trillium 120P/PA ideal for local, regional and tele-seismic studies in both observatory and portable applications
	type	Symmetric triaxial
	observation measurements	
Description	name	Broadband Seismometer. A compact portable sensor offering superior broadband performance over a wide temperature range with very low self noise. This low self-noise makes the Trillium 120P/PA ideal for local, regional and tele-seismic studies in both observatory and portable applications
	keywords	Sensor, Seismicity, Earthquakes
	text description	

Constrains

Security	text	
Time Range	start	25/05/2012
	end	No end date
Legislative framework	rights, description	Data ownership: UPC-SARTI
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Documentos/Plantilla%20acord%20confidencialitat%20de%20dades%20-%20UPC%20SARTI.pdf

Properties

Characteristics	physical properties	Enclosure optimized to be insensitive to atmospheric variations. The equipment consists of a metal cylinder which accommodates the electronics and that is capable of withstanding high pressures.
	memory	
	battery	
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_Sismometro.pdf
Capabilities	text description	Clock synchronization via cable. Serial GPS removed.
	resolution, ranges	Sensitivity (1201V·s/m ±0.5%), Bandwidth (-3dB points are 120s and 175Hz)
	quality	
	URL capabilities	http://esonet.epsevg.upc.es:8080/OostethysObseaSos/sos?VERSION=1.0.0&SERVICE=SOS&REQUEST=GetCapabilities

References

Contact	data provider	UPC SARTI, Centre Tecnològic de Vilanova i la Geltrú Rambla Exposició 24 Edifici, C - 08800 Vilanova i la Geltrú (Barcelona)
Documentation	URL document	http://www.cdsarti.org/

History

Installation	Dates, operator	Installed in OBSEA on 25/05/2012
Calibration	Dates, report	

Components

		Electronics developed to provide TSIP protocol from an IEEE1588 PTP synchronization system.
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Location

	postal address	
	latitude	41° 10.920'N (41°10'55.20"N)
	longitude	1° 45.141'E (1°45'8.46"E)
	height	Height above street level: (-)20 metros

Geographic coverage

Geographic coverage	bounding box	
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Data access

Address	URL	Web interface: http://www.obsea.es/
Constrains	description (text)	