

Sensors Metadata

General information

Identification	ID	
	long name	LI-820 CO2 Analyzer
	short name	LI-820 CO ₂
	manufacturer	LI-COR
	model	LI-820 CO ₂
	serial number	CGA-1817
Classification	application	The LI-820 CO2 Analyzer is a low maintenance, economical gas analyzer designed for continuous monitoring applications.
	type	
	observation measurements	CO2 (ppm)
Description	name	The LI-820 CO2 Analyzer is a low maintenance, economical gas analyzer designed for continuous monitoring applications.
	keywords	Sensor, Biodiversity, Climate Change
	text description	

Constrains

Security	text	
Time Range	start	26/03/2012
	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	Non-dispersive infrared (NDIR) gas analyzer based upon a single path, dual wavelength infrared detection system.
	memory	
	battery	
	URL document	http://www.upc.edu/cdsarti/OBSEA/mdSensors/Datasheet/Datasheet_CO2%20Li820.pdf
Capabilities	text description	
	resolution, ranges	CO2 measurement range (0 to 20000 ppm), CO2 accuracy (<3% of reading)
	quality	
	URL capabilities	http://esonet.epsevg.upc.es:8080/OostethysObseaSos/sos?VERSION=1.0.0&SERVICE=SOS&REQUEST=GetCapabilities

References

Contact	data provider	SARTI, Centre Tecnològic de Vilanova i la Geltrú Rambla Exposició 24 Edifici, C - 08800 Vilanova i la Geltrú (Barcelona)
Documentation	URL document	

History

Installation	Dates, operator	Installed on 26/03/2012
Calibration	Dates, report	Performance verification: 24 Jan 2012 http://www.upc.edu/cdsarti/OBSEA/mdSensors/Calibraciones/CO2%20Li820.pdf

Components

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Location

	postal address	
	latitude	41°13'24.82"N
	longitude	1°44'10.78"E
	height	Height above street level: 10 m.

Geographic coverage

Geographic coverage	bounding box	
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Data access

Address	URL	Web Interface: http://www.obsea.es/
		SOS Server Oostethys: http://esonet.epsevg.upc.es:8080/OostethysObseaSos/ SOS Server 52 north: http://esonet.epsevg.upc.es:8080/52nObseaSos/ SOS Client 52 north : http://esonet.epsevg.upc.es:8080/52nObseaSos/ 1451 Server: http://esonet.epsevg.upc.es:1451/1451/ 1451 Client: http://esonet.epsevg.upc.es:8080/1451/testclient.htm
Constrains	description (text)	