Thermohygrometer

Metadata | Metadata (XML)
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Title	Thermohygrometer
Date	2011-04-12T19:08:00
Date type	Publication
Abstract	The DMA572 Thermohygrometer by Lsi-Lastem was installed in 2007 on Bianco station. It is a probe for measuring air temperature and air relative humidity with replaceable sensitive element for simplify calibration and maintenance. LSI-Lastem supplies a precise and reliable set of probes, suitable for a continuous measurement in severe environments, in presence of deep thermal and hygrometric ranges with high sun radiant heat. An important feature of this set of sensor is that the thermohygrometric sensitive element is easily replaceable, in order to have a simple and rapid ordinary maintenance and avoiding calibration. The Thermohygrometer has supported a considerable improvement, owing to a deep technical and styling development process: a fan ensures a continuous air change around the sensor in order to eliminate temperature fault caused by radiant heat. DMA572 Specifications: -Power supply: 10 – 14 Vdc -Power consumption: 2 mA - R Load Max (mA output) : CE compliance : EMC standard EN50081-1, EN50082-1 - Electric protections: tranzorb, on outputs and power supply - Housing: alluminium - Weight (cable attached): 440g - Connection cable: L. 5 m Temperature -Range: -30÷70°C, -50÷50°C, 0÷100°C -Sensitive element: Pt 100 1/3 DIN-B -Sensitive element replacement: ML3021 Plug-in by connector - Accuracy (repeatability+hysteresis): ± 0,1°C (0°C) - Electronic accuracy: ± 0,15°C - Operating temperature: -40°÷95° - Output: Pt100 (Ohm) Relative Humidity - Range : 0÷100% - Sensitive element: Capacitative - Sensitive element replacement: ML3021 Plug-in by connector - Resolution: 0,12% - Long term stability: <1% year - Temperature dependence (+6+45°C/ 11-90% RH): ± 1,5 % - Operating temperature: -40° ÷95° Output: 0÷1V

Character set	UTF8
Hierarchy level	Series

OnLine resource

Linkage	http://sharegeonetwork.evk2cnr.org/

Protocol	WWW:LINK-1.0-http--link
Linkage	http://share.evk2cnr.org:8080/geoserver/gn/wms
Protocol	OGC:WMS-1.1.1-http-get-map
Linkage	http://geonetwork.evk2cnr.org:8080/geoserver/wms/kml?layers=gn:share_station
Protocol	GLG:KML-2.0-http-get-map
Linkage	http://nextdata.evk2cnr.org:/geonetwork/srv/en/resources.get?uuid=dae97527-5958-4258-985a-07fc3b36f704&fname=SHARE_DSPP_10042014.pdf&access=
Protocol	WWW:DOWNLOAD-1.0-http--download
Linkage	http://nextdata.evk2cnr.org:/geonetwork/srv/en/resources.get?uuid=dae97527-5958-4258-985a-07fc3b36f704&fname=Data_Request_Form.pdf&access=privat
Protocol	WWW:DOWNLOAD-1.0-http--download

Point of contact

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Topic category	Climatology, meteorology, atmosphere
Topic category	Geoscientific information
Topic category	Environment

Keyword

Keyword	NEXTDATA
Type	Theme
Keyword	NEXTDATA
Type	Theme
Keyword	
Type	Theme
Keyword	SHARE
Keyword	network
Type	Theme
Keyword	Mt. Bianco, Gigante Glacier, Alps, Italy
Type	Place
Keyword	air temperature, relative humidity
Type	Theme

Extent

Geographic bounding box

West bound	-180
East bound	180
South bound	-90
North bound	90

Spatial resolution

Denominator	

Lineage

Statement	This sensor is mounted on a mast of 2 m.

Resource constraints

Use limitation	Data Sharing and Publication Policy at DISTRIBUTION SECTION
File identifier	dae97527-5958-4258-985a-07fc3b36f704
Metadata language	eng
Character set	UTF8

Metadata author

Individual name	
Organisation name	Ev-K2-CNR
Role	Point of contact
Date stamp	2014-10-23T12:28:49