SR10
UPPER-AIR SOUNDING SYSTEM

Main function of the new SR10 upper-air radiosounding system consists in collecting P,T,U, and wind finding data measured and transmitted from a radiosonde during its flight through upper atmosphere layers

Functionalities

Digital processing of raw data

Reference GPS station for differential calculation

Data archiving on hard disk or any digital support

Real time Data display Listing and/or graphical

Automatic frequency setting through infrared communication link

GPS repeater for indoor initialization

Ground check system for pre-launch calibration of T and U sensors

Edition of WMO code messages (Temp, pilot, BUFR, Climat-temp…)

Data transmission through an Ethernet network

Desktop Workstation with Windows 7 OS

Friendly use new IR2010 application software

Main features

Very light and compact receiver

Auto-tests with diagnostic display for easy maintenance

Omni directional antennas, easy handling and installation

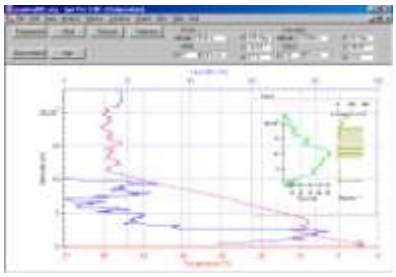
Compatibility with former generation of GPSondes

SR10 Receiver

MODEM – Rue de Bessonville – 77760 URY
Tél : (33) **1.60.74.74.60** - **Fax** : (33) **1.60.74.74.19**
Http //www.meteomodem.com

SR10 UPPER-AIR SONDING SYSTEM DIAGRAM

<table>
<tr>
<td> 

IR2010
Data processing software</td>
<td> 
ICAR module
Sounding analysis and Edition of WMO code msg…</td>
<td> 
GPS
Antenna + cable</td>
</tr>
<tr>
<td> 
Complete PC workstation
(Desktop or laptop)
Running Windows OS</td>
<td> 

SR10 Receiver</td>
<td> 
400 MHz
Antenna + cable</td>
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<tr>
<td colspan="2"> 
Ground Check
with built in GPS repeater
and Infrared communication link</td>
<td>User’s manual
Installation & Maintenance manual</td>
</tr>
</table>

SR10 TECHNICAL SPECIFICATIONS

GENERAL

Dimensions	: Receiver: W:150 mm – D:185 mm – H:65 mm
Weight	: 1.3 kg
Consumption	: 10 W max
Links	: USB to PC
Sonde prog. interface	: Cable with connector
GPS receiver	: 12 channels
Workstation	: Desktop or Laptop PC

TELEMETRY

Receiver	: 400–406 MHz digital synthesizer
Range	: >350 Km
Modulation	: PSK

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