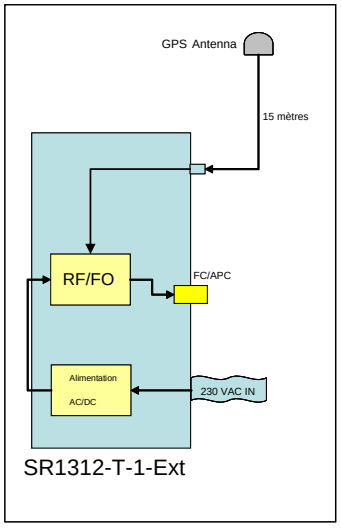
SR1312

GPS optical link

the SR1312 family of optical link is designed to transmit the GPS signal over long distances.

The SR1312-T is responsible for receiving, amplifying the L1 GPS signal and processing it in order to be transmitted by optical fiber.
The equipment takes the form of an IP67 enclosure.
For reasons of compliance with IP67 standard, equipment does not monitor the input or the power supply by Leds



SR1312-T-1-Ext

Packaging

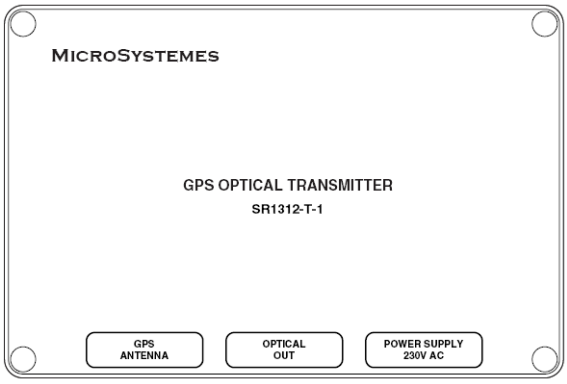
The equipment housing is a box type IP67 which has the following dimensions: 240 mm long, 160 mm wide and 100mm height

Connecctors

GPS signal input:
Connector Type : TNC female
Signal : 1.575 Mhz.
Impedance : 50 Ω.

Optical output:
Connector Type: FC/APC
wavelength : 1310 ±20nm

The maximum length of the optical fiber is up to 5 Km considering the total loss between the antenna and the output of the transmission equipment.



SR1312-T: front face

Receiver equipment

SR1312-R

This equipment provides the GPS signal reception through the optical fiber, the RF signal processing, amplification and distribution on one or more channels .
The equipment is housed in a 19-inch rack drawer 1U, 220mm depth.
The equipment has a monitoring circuit for FO input and a LED indicates power On/Off

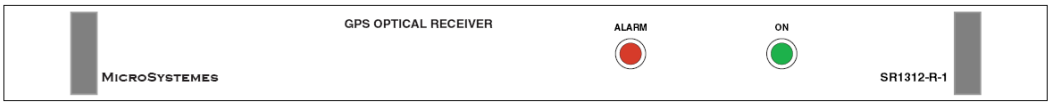
Connectors

Optical input:
Connector Type: FC/APC

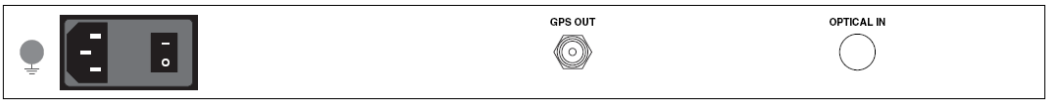
GPS output signal:
Connector Type: TNC femelle
Signal : 1.575 Mhz.
Impedance : 50 Ω.

Dimensions :

rack 1U, 19''
weight : 3 kg
Consumption : 30 W



SR1312-R: front face SR1312-R



SR1312-R: Rear face SR1312-R-1