TSatDB

Data Transmitter
by satellite

dualBASE®
decoding the environment

Hydrology · Meteorology · Agrometeorology · Sun · Wind

3 YEARS WARRANTY

TSatDB

GOES e METEOSAT - Data transmitter

ANATEL

APPLICATIONS

Hydrology | Meteorology | Agrometeorology | Sun | Wind

OVERVIEW

TSatDB has an excellent data transmission performance via GOES (V2.0 CS2) and METEOSAT satellites. Ideal to be used in DCPs. It has low power consumption in stand-by and is easy integrate with multiple data loggers.

SPECIFICATIONS

Transmission rate
METEOSAT: 100 bps
GOES: 300 and 1200 bps

Transmit frequency range
METEOSAT: 402,0355 to 402,4345 MHz
GOES: 401,701 to 402,0985 MHz

Output power
METEOSAT: 14 W (max)
GOES: 6,5 W (max)

Transmission Antenna
14 W (max)
RHC (Right hand circular) - N Connector

GPS Antenna
Active of 3,3 V - SMA Connector

Supply Voltage
10,8 to 16,0 Vdc

Consumption
Stand-by: < 3 mA
Transmission: < 2,6 A
GPS on: < 50 mA

Operating Range
-40 to 60 °C

Comunication protocols
ASCII, Binary

Interfaces
USB: Micro B
RS-232: DB9 Female

PRODUCT DETAILS

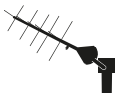
- High transmission data rate - Version 2.0 (CS2);
- Global positioning system (GPS) and automatic clock fix. Is capable of operating for up to28 days without GPS signal;
- Compatible with multiple data loggers;
- Front panel LEDs indicate operating status;
- NESDIS Homologation: 1014-000114;
- ANATEL Homologation: 03654-18-11455.

ANTENNAS

Omnidirectional antenna EON2
Gain: 5.7 dBic min.
Connector: Type-N
Frequency: 398 to 404 MHz
Polarization: RHCP
Compatible with NESDIS CS2.

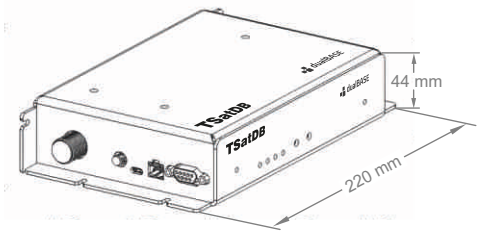
Its signal covers the entire area of a directional antenna without the need of being pointed to a satellite.

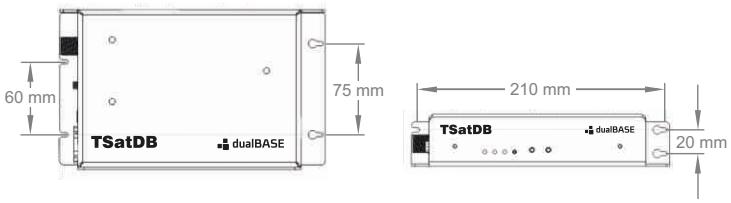
Can be supplied with internal GPS antenna .



Yagi Directional Antenna
Gain: 11 dBi
Connector: Type-N
Frequency: 400,8 to 402,8 MHz
Polarization: RHCP
Compatible with NESDIS CS2

DIMENSIONS





Features may change without prior notice. Mar/2019

MANUFACTURER

Manufacturer: Dualbase Tecnologia Eletrônica LTDA.
Brand: Dualbase
Model: TSatDB
Type: Data transmitter (GOES and METEOSAT).

REPRESENTATIVE