



Conception et réalisation de systèmes de télémessure numérique

MARGOS

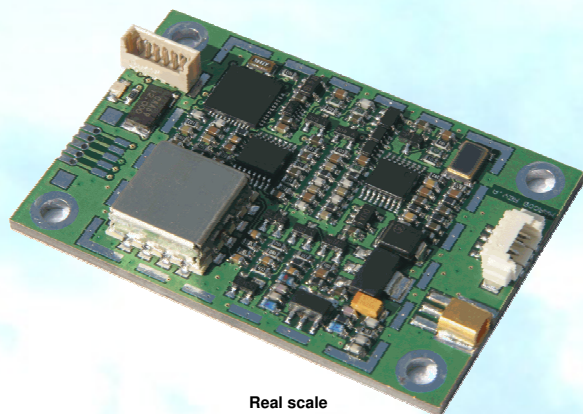
Module ARGOS

ARGOS Module

MARGOS is a UHF transmitter meets the specifications of the standard Argos2 in terms of frequencies, modulation and power.

MARGOS has a high integration density and has low power consumption.

This features allow uses simple, modular and low cost.



Real scale

Features

- Transmit power : 1,5 Watt
- Frequency : 401,620 à 401,680 MHz
- Stand-alone mode or controlled (master/slave)
- Configurable serial port and USB
- Message format : PTT-A2

Electric features

- Power supply : 6 V à 16 V
- Supply current transmit mode: 750 mA @ 6 V
- Supply current sleep mode : 30 µA @ 6 V

Physical features

- Dimensions : 55 x 36 x 8 mm
- Weight : 14 g (module alone)
- Operating temperature : -20°C à 55°C

Certification

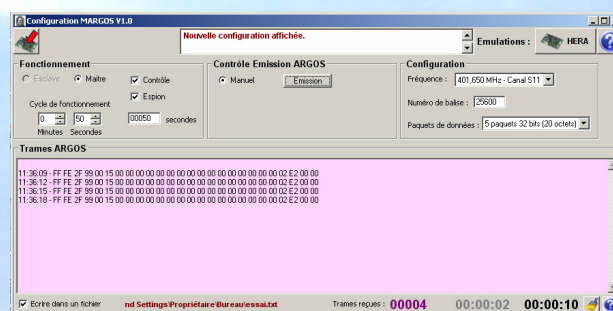
Transmitter certified with C.L.S. in July 2008.

Configuration

MARGOS configuration is performed by a serial/USB connection with a computer software to read and change parameters in the module like : frequency channel, message length...

Parameter	Commentaire
Frequency channel	401,620 à 401,680 MHz.
Balise identification	5 numbers
Operating mode	Master or slave.
Operating cycle	50s to 24h
Debug	Send a copy of the data frame on the serial output.
External data input	X _{ON} / X _{OFF} Protocole (9600 bauds).

Configuration software



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