

OTT HDR

GPS controlled transmitter unit for data transmission
via satellite – GOES, Meteosat



GOES / Meteosat – satellite transmitter

High protection against extreme environmental influences by means of a rugged and sealed enclosure

System integration with various foreign data loggers as well as OTT LogoSens by simple control of the transmitter unit as per master-slave-principle

Independent 16 kB self-timed and 8 kB random alarm data buffer

Status LEDs for indication of GPS signal, transmitter operation and for monitoring of the supply voltage



Automatic GPS time and frequency synchronisation

Extremely low power consumption in sleep mode <200 µA

RS-232-interface for data transfer according to the master-slave-principle with high transmission reliability (CRC-check) Status report at any time possible

Flexible connection of the cross-Yagi antennas Synergetics 18b or Compro 420-70; integrated precalculation of the antenna alignment



Technical data

Certified

transmission formats

- Meteosat
- Meteosat 2nd Generation (MSG), selftimed, alarm mode
- GOES 100, 300 bps (selftimed, random)
- International channels

Transmitter output power

7.9 W

Maximal antenna gain

11 dBi

GPS synchronisation

< 100 µs

Temperature range

–40 ... +50 °C

Relative humidity

0 ... 100 % with condensation

Nominal battery voltage

12.8 V

Power supply

10.8 ... 14.8 V DC

Power consumption

Sleep mode

200 µA

GPS-reception

65 mA

Stabilisation phase

500 mA (80 s)

Transmitter

power consumption

max. 2.3 A

Interfaces

GPS, transm. antenna

SMA clutch

Data line

RS-232; 9-pin sub-D socket (female)

Material

Chromatised Aluminium

Dimensions (l x w x h)

220 x 36 x 127 mm³

Weight

1,350 g

CE approval

according to EG guideline 89/336/EWG

OTT – Your partner for:

- Water level measurement in ground and surface water
- Discharge measurement
- Precipitation measurement
- Water quality measurement
- Data management and communication
- HydroService: consulting, training, installation and maintenance



OTT Messtechnik GmbH & Co. KG

Ludwigstrasse 16

87437 Kempten · Germany

Phone +49 (0)831/5617-0

Fax +49 (0)831/5617-209

info@ott-hydrometry.com

www.ott-hydrometry.com