

# Radioonde MTS-01



## Features

- 3 Concurrent GNSS usage (GPS, GLONASS, GALILEO, BEIDOU)
- Excellent temperature, humidity, wind direction and wind speed measurements
- Status indicator LEDs

## General

MTS-01 reports pressure, temperature, relative humidity, wind direction and wind speed up to 50000 meters altitude

## Measurements

Device is packed ready for sounding. Sensor boom and temperature sensor are protected against solar radiation via special coating. Humidity sensor is protected from rain via specially designed cap. Optional heating (deicing) feature for humidity sensor.

## Communication Range

MTS-01 is capable of transmitting telemetry data from more than 200km

## Status Indicator LEDs

LEDs provide quick operating instructions for the operator

Technical Data		
Dimensions Weight	Dimensions	110x90x52mm
	Weight	90 grams
Power	Battery	2xCR123A Lithium
	Operation time	>3 hours
Temperature	Meas. Interval	-90C°/+60C°
	Resolution	0.01C
Relative Humidity	Meas. Interval	0%-100%
	Resolution	0.1%
Pressure	Meas. Interval	1100hPa-1hPa
	Resolution	0.01hPa
Altitude	Meas. Interval	0m-50000m
	Resolution	0.1m
	Uncertainty	<8m
Wind Speed	Meas. Interval	0m/s-200m/s
	Resolution	0.01m/s
	Uncertainty	<0.1m/s
Wind Direction	Meas. Interval	0°-360°
	Resolution	0.01°
	Uncertainty	<1°
Telemetry	Freq. Interval	400-406 MHz
	Range	>200km
	Transmit Power	100mW
GNSS	Type	GPS, GLONASS, BEIDOU, GALILEO
	No. of CHs	72
Reports	WMO	FM35-TEMP FM36-SHIP FM38-MOBIL BUFR
	NATO (STANAG)	METCM METFM METTA METB2 METSr