



special products for special customers

triorail

Triotrace Test System



TTS-TRM-3T USB

Approved Technology for the
GSM-Rail System

Datasheet

TTS-TRM-3T USB

The TTS-TRM-3T USB is a high performance test System for observing and testing GSM networks. Due to long standing product experience and innovative technologies this professional device is a smart gear for GSM measurements.

Technical Data

- Dimensions 45 x 40 x 20 mm (L x W x H)
(not including the antenna connector)
- Weight 70 g
- Power consumption Inrush current 900mA
- Temperature range -20°C to +55°C

Data Services

- GPRS class 10 max. 86 kbps (downlink)
- PBCCH support
- Coding scheme CS 1-4
- CSD data transmission
Up to 14.4 kbps
Non transparent mode

Interfaces

- USB Interface (USB Mini B connector)
- AT commands via USB CDC ACM interface
- Digital audio via USB
- Voltage supply via USB
- Antenna connector (SMA)
- 3 Status LEDs
- Miniature SIM card holder

Specifications for Voice

- Triple-rate codec for HR, FR, EFR
- Adaptive multi-rate (AMR)

System / Standards

- Quad-band GSM-R / EGSM 900 / GSM 1800 / GSM 1900
- GSM Phase 2 / Phase 2+
- GPRS multi-slot class 10
- Mobile station class B
- Output power
Class 4 (2 W) for GSM-R / EGSM 900
Class 1 (1 W) for GSM 1800 / GSM 1900

Triotrace PC Application

- Trace log recording
- Online / offline protocol analysis



TTS Features*

Two serial ports over USB for simultaneous trace information and data transfer (CSD/GPRS) or AT cellular commands

- Monitoring and Quality of Service information for GSM/GPRS
- GSM/GPRS forcing functions
Channel
Band
Voice codec
- Scanning capabilities
Single ARFCN
Set of frequencies
Complete band

ETCS L2 Features

The ETCS L2 test extension is available as optional feature. The additional data sheet 'TTS Extension ETCS L2' provides more details.

* compatible with TTS-S55 software interface