



# ETM770

CELLULAR SIGNAL ANALYZER



ETM770 is a handheld battery powered device, which is used to measure the coverage and multiple parameters of all 2G/3G/4G or 2G/CatM1/CatNB1 cellular operators at a particular location. The ETM770 is an excellent tool for quality assuring remote sites including 2G/3G/4G or 2G/CatM1/CatNB1 modems as large smart meter installations.

By measuring parameters like signal strength, base station and cell info, you can easily determine the best operator and antenna configuration available.

## SIGNAL ANALYZER FOR CELLULAR 2G/3G/4G OR 2G/CAT M1/CAT NB1 NETWORK MEASUREMENTS

### FEATURES

- Monochrome OLED display
- SMA/FME antenna connector
- Rechargeable battery
- Mini USB for programming and charging
- Includes antenna, hard case and charger

### BENEFITS

- Check 2G/3G/4G or 2G/LTE CatM1/LTE CatNB1 coverage (depending on version)
- Determine the best operator
- 2G/3G/4G or 2G/LTE CatM1/LTE CatNB1 world wide wireless coverage
- Select the most suitable antenna
- Send measured data to server
- Check parameters like Lac, cell etc.
- Check working IP connection



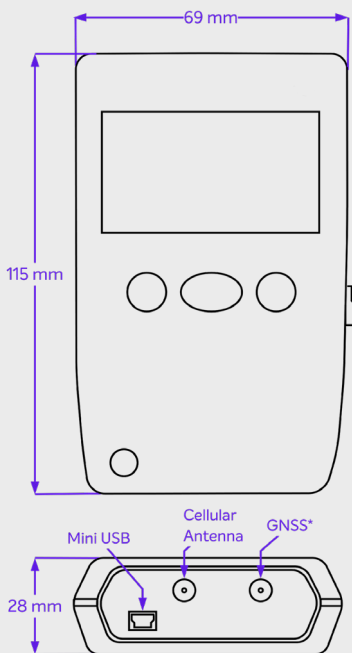
## APPLICATIONS

- Ensure good cellular connection on site
- Select the best network operator
- Optimize battery-life in remote units
- Readout of network information

## INPUTS

- USB 2.0 and power over USB
- SMA antenna
- Mini SIM (2FF)

## PHYSICAL DIMENSIONS



The ETM770 support features as selection of specific radio band frequency for scanning, opening and closing of ISP connection for IP connectivity testing, display of detailed cell information etc.

## SPECIFICATIONS

Model	ETM770-7	ETM770-9
Part.no	20543	20590
Module	Cinterion PLS62-W	Quectel BG96
Cellular	2G, 3G and 4G	2G, LTE Cat M1, Cat NB1
GNSS	No	Yes
Frequency/bands	<b>GSM/GPRS (2G):</b> 850/900/1800/1900 MHz  <b>UMTS (3G):</b> 800/850/900/ AWS/1800/1900/2100 Mhz (B1/B2/B4/B5/B8/B9/B19)  <b>LTE (4G):</b> 700/800/850/900/ AWS/1800/1900/2100/ 2600 MHz (B1/B2/B3/B4/B5/B7/B8/ B12/B18/B19/B20/B28)	<b>GSM/GPRS (2G):</b> 850/900/1800/1900 MHz  <b>LTE TDD (Cat M1):</b> B1/B2/B3/B4/B5/B8/B12/B13/ B18/ B19/B20/B26/B28/B39)  <b>LTE TDD (Cat NB1):</b> B1/B2/B3/B4/B5/B8/B12/B13/ B18/ B19/B20/B26/B28
Data transmission	<b>LTE Cat1:</b> DL:10.2 Mb/s, UL:5.2 Mb/s  <b>UMTS/HSPA+:</b> DL:7.2 Mb/s, UL:5.76 Mb/s  <b>GPRS:</b> Class 12  <b>SMS:</b> Yes  <b>TCP/IP:</b> Yes	<b>LTE FDD (Cat M1):</b> DL:375 Kb/s, UL:375 Kb/s  <b>LTE FDD (Cat NB1):</b> DL:32 Kb/s, UL:70 Kb/s  <b>GPRS:</b> DL:107 Kb/s, UL:85.6 Kb/s  <b>EDGE:</b> DL:296 Kb/s, UL:236.8 Kb/s  <b>TCP/IP:</b> Yes
Dimensions	115 x 69 x 28 mm	
Weight	130 g	
Battery	3.7 V internal LiP rechargeable battery pack	
Power supply	5 V via mini USB	
Power consumption	600 mA	
Operating temp.	-20°C to +55°C	
Antenna	SMA/FME (with supplied adapter)	
Interfaces	Mini USB connector for programming and recharging	
Included items	Mini USB cable, SMA to FME antenna adapter, stub antenna, hardcase, manual	

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