



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/NB-IoT cellular operators at a particular location. The ETM770 is an excellent tool in order to quality assure remote sites including 2G/3G/4G/CatM1/NB-IoT modems as large smart meter installations.

By measuring parameters like signal strength, base station and cell information, the best operator and antenna configuration can be selected.

SIGNAL ANALYZER FOR CELLULAR 2G/3G/4G OR 2G/CATM1/NB-IOT NETWORK MEASUREMENTS

FEATURES

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



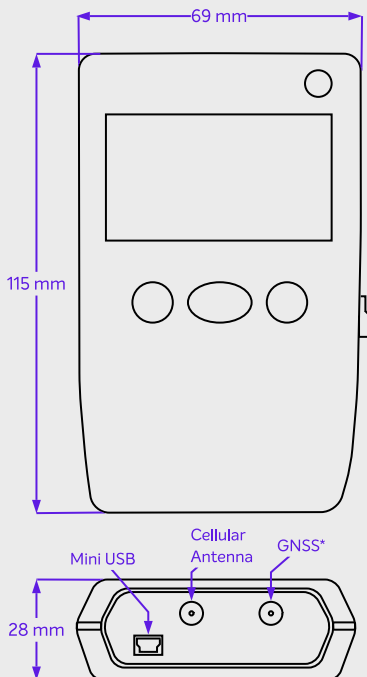
APPLICATIONS

- 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	ETM770-6	ETM770-8*
Part.no	20542	20544
Module	Cinterion PLS62-W	Quectel BG96
Cellular	2G, 3G and 4G	2G, CatM1 and NB-IoT
GNSS	No	Yes
Frequency/bands	<p>GSM/GPRS (2G): 850/900/1800/1900 MHz</p> <p>UMTS (3G): 800/850/900/ AWS/1800/1900/2100 Mhz (bands 1, 2, 4, 5, 8, 9, 19)</p> <p>LTE (4G): 700/800/850/900/ AWS/1800/1900/2100/ 2600 MHz (bands 1, 2, 3, 4, 5, 7, 8, 12, 18, 19, 20, 28,)</p>	<p>GSM/GPRS (2G): 850/900/1800/1900 MHz</p> <p>LTE (Cat M1/NB-IoT): 700/800/850/900/ AWS/1800/1900/2100/ 2600 MHz (bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 18, 19, 20, 25, 28, 39)</p>
Data transmission	<p>LTE Cat1: DL:10.2 Mb/s, UL:5.2 Mb/s</p> <p>UMTS/HSPA+: DL:7.2 Mb/s, UL:5.76 Mb/s</p> <p>GPRS: Class 12</p> <p>SMS: Yes</p> <p>TCP/IP: Yes</p>	<p>LTE NB-IoT: DL:32 Kb/s, UL:70 Kb/s</p> <p>LTE Cat M1: DL:375 Kb/s, UL:375 Kb/s</p> <p>GPRS: DL:107 Kb/s, UL:85.6 Kb/s</p> <p>EDGE: DL:296 Kb/s, UL:236.8 Kb/s</p> <p>TCP/IP: Yes</p>
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	

ETM Mätteknik AB

Ekbacksvägen 32, 168 69, Bromma, Sweden
Tel: +46 (0)8 25 28 75 E-mail: sales@etmiot.se
www.etmiot.se

ETM Pacific Pty Ltd

Suite 6, 273 Alfred Street, North Sydney NSW 2060, Australia
Tel: +61 (0)2 9956 7377 E-mail: info@etmpacific.com.au
www.etmiot.com.au

