

ACT-FMU (Flexible Measurement Unit)

Autonomous measurements of mobile radio quality, around the clock

ACT-FMU autonomous driving test systems provide around-the-clock, year-round monitoring. ACT-FMU boxes are placed in cabs or stationary and controlled remotely from a single server.

ACT-FMU boxes support single, group or fleet operation and provide continuous secure data collection and transmission for any number and size of networks of all network technologies. Equipped with the latest smartphones, the boxes thus provide a highly autonomous and stable platform for reliable and accurate mobile network measurements.



AUTONOMOUS

Autonomous measuring systems operate unattended, around the clock. They can be used in all types of vehicles or stationary.

ACROSS NETWORKS

ACT-FMU boxes support data and voice service testing of all major network technologies: GSM, GPRS, EDGE, UMTS, HSPA, HSPA+, LTE, LTE-A carrier aggregation, 5G, WiFi.

FLEXIBLE

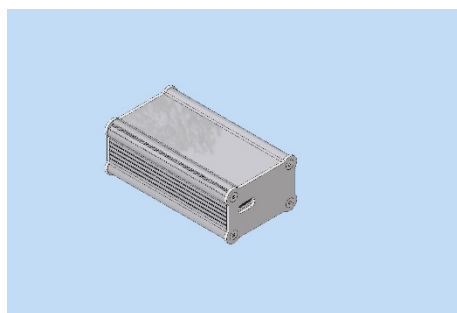
ACT-FMU is flexible to be used indoors in buildings or in vehicles. It comes with an external rechargeable battery pack.

CONTACT:

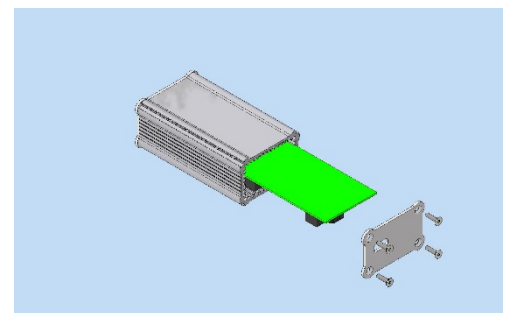
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NET CHECK



Optional external rechargeable battery



Optional external rechargeable battery

Technical Data: ACT-FMU

Supported technologies	GSM, GPRS, EDGE, UMTS, HSPA, HSPA+, LTE, LTE-A Carrier Aggregation, 5G, WiFi
Input voltage	12V - 36V DC
Current	Max. 1.25A
Typical power consumption in operation @ 12V	20W
Maximum current consumption	n/a
Operating system base	Android
GPS receiver	μ-blox 12-channel or Smartphone GPS
Dimensions (mm), approx.	89x207x38
Weight	350g
Operating temperature range (non-condensing)	-10C to +50 C
Extended environmental specifications	Increased humidity
Available UE	Samsung S23, Xiaomi-13, OnePlus 8T, Samsung S24 Ultra
Antennas/No.	Internal SP antennas
Number of SIM cards	Inbuilt 2 SIM Slots Optional upto 4 SIM Slots
Measurement in idle mode	Yes
Voice telephony (MOC, MTC)	Yes
Voice POLQA test	Possibility
FTP, HTTP (web browsing), Ping	Yes
HTTP download/upload	Yes
UDP, SMS, MMS	Possibility
IP trace	Yes
YouTube® video streaming	Yes
Video telephony (without MOS)	Possibility
SAM SmartAppManager	Possibility
Task scheduler	Yes
Further service checks on request	Measurement script including SIM selection, automatically switchable to day/hour basis. Mixed test cases (mobile radio, WLAN) possible