



## THE ULTIMATE DATALOGGER BATTERY-POWERED SMART METERING WITH INTEGRATED 2G-3G-4G

- ONE-LOGGER-FITS-ALL (READS VIRTUALLY ANY UTILITIES METER, SENSOR OR PROBE)
- BATTERY POWERED (LOW POWER CONSUMPTION, 10+ YEAR LIFECYCLE)
- BEST-IN-CLASS FOR ULTRA REMOTE FIELD APPLICATIONS
- OVER-THE-AIR CONFIG & UPDATE
- EXPANDABLE, CUSTOMIZABLE

GET IN TOUCH TO DISCUSS YOUR USE-CASE AT  
SALES@TETRAEDRE.COM

WWW.TETRAEDRE.COM



### DESCRIPTION

VERY VERSATILE 4G TELETRANSMITTER WITH MANY WIRED INTERFACES AND ALSO WMBUS (RADIO) AND LORA RECEPTION FEATURE. IT CAN BE EQUIPPED WITH SEVERAL EXTENSIONS BOARDS TO READ VARIOUS SYSTEMS, METERS AND PROBES.

### INPUTS - OUTPUTS

- RS-485 MODBUS RTU
- RS-232
- SCR CODER
- IEC1107
- IMPULSE INPUT
- DIGITAL INPUT
- 4-20 mA INPUT AND OUTPUT
- DIGITAL OUTPUTS
- RELAY OUTPUTS
- DLMS
- 0-5 V INPUT
- 0-10 V INPUT

### MEMORY

- 100'000 MEASUREMENTS
- REMOTE CONFIG UPDATE

### TRANSMISSION

- TETRAEDRE MODCOM SYSTEM :
  - GSM 2G-3G
  - GSM 4G
  - ETHERNET
- LORALIGHT COMPATIBILITY
- VARIOUS SIM PLANS AVAILABLE

### ENCLOSURE

- LENGTH 220 mm x WIDTH 120 mm x HEIGHT 91 mm (WITHOUT ANTENNAS)

### POWER

- BATTERY POWERED (3.7 VDC/ 8 Ah)
- OPTIONAL BATTERY PACKS (16 Ah, 32 Ah)
- OPTIONAL EXTERNAL POWER SUPPLY 5-35V
- AUTONOMY : 3'000 CONNECTIONS (UP TO 10 YEARS AT 1 TRANSMISSION PER DAY WITH 8 Ah)

### EXTENSIONS

- MODULE-TPL (TPL-211)
- MODULE-ANALOG
- MODULE-24CS
- MODULE-CO2/RADON
- EXT-ANALOG (2 PORTS)
- EXT-485 / 422
- EXT-CORRGAZ
- EXT-4CS / 8CS
- EXT-3PULSE
- EXT-ATM
- EXT-CODERI / 2
- EXT-GPS
- EXT-ISCO
- EXT-EXTENSO2 / 4

### VERSIONS

- TRMC-19-F (FULL FEATURES)
- TRMC-19-RF (RADIO ONLY)
- TRMC-19-LCG1 (CORRGAZ ONLY), WITHOUT EXT-CORRGAZ
- TRMC-19-F-EXTENSO2 (FOR EXTENSOMETER), WITHOUT EXT-EXTENSO2

### USE-CASES

- SCIENCE
  - GEOLOGY
  - HYDROLOGY
  - HYDROGEOLOGY
  - GEOTECHNICS
  - PISCICULTURE
- ENERGY
  - GAS
  - WATER
  - ELECTRICITY
  - SOLAR
  - WASTE
  - ENERGY EFFICIENCY
- INDUSTRY
  - MONITORING
  - ALARM SYSTEMS
  - RADIATIONS

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