



TETRAEDRE

TRMC-1 FAMILY



THE SINGLE-INPUT BATTERY-POWERED DATALOGGER COST-EFFECTIVE IOT DEVICE FOR SMART METERING

- READS VARIOUS UTILITIES METERS, LOGS AND TRANSMITS
- BATTERY POWERED, LOW POWER CONSUMPTION : 16+ YEAR LIFECYCLE (6'000 CONNECTIONS)
- BEST-IN-CLASS FOR ULTRA REMOTE FIELD APPLICATIONS
- REMOTE OR OVER-THE-AIR CONFIG & UPDATE
- CUSTOMIZABLE

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

WWW.TETRAEDRE.COM



DESCRIPTION

THE TRMC-1 IS A SIMPLE BATTERY OPERATED RECORDER-TRANSMITTER DESIGNED TO REMOTELY READ A UTILITY METER. THE TRMC-1 PROVIDES THE BEST IOT SOLUTION TO BUILD COST-EFFECTIVE AND RELIABLE NETWORKS OF SMART METERING.

INPUTS - OUTPUTS

- RS-485 MODBUS RTU
- RS-232 OPTICAL IR HEAD
- RS-232
- SCR CODER
- IEC1107
- IMPULSE INPUT
- DIGITAL INPUT
- TEMPERATURE SENSOR
- M-BUS
- DLMS

MEMORY

- 100'000 MEASUREMENTS
- REMOTE CONFIG UPDATE

TRANSMISSION

- AVAILABLE :
 - GSM 2G-3G
 - GSM 4G
 - ETHERNET
- WE ALSO PROPOSE INTERESTING SIM CARD RATES

ENCLOSURE

- LENGTH 197 mm x WIDTH 90 mm x HEIGHT 62 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)
 - 6'000 CONNECTIONS (UP TO 16 YEARS AT 1 TRANSMISSION PER DAY WITH 16 Ah)

VERSIONS

- TRMC-1-SCR-CODER
- TRMC-1-MBUS
- TRMC-1-ELEC, WITHOUT OPTICAL HEAD OPTIC-232
- TRMC-1-MODBUS
- TRMC-1-PULSE
- TRMC-1-WMBUS
- TRMC-1-TEMP

USE-CASES

- ENERGY
 - GAS
 - WATER
 - ELECTRICITY
 - SOLAR
 - HEAT
 - ENERGY EFFICIENCY
- INDUSTRY
 - MONITORING
 - ALARM SYSTEMS

TETRAEDRE SWISS LTD
RUE DES EPANCHEURS 34B
2012 AUVERNIER
SWITZERLAND

TEL +41 32 730 61 51
SALES@TETRAEDRE.COM