



Drone

Cathodic Protection
Datalogger

DRONE

Application Field

Drone is a two channels datalogger for potential and current intensity measures. Drone is a standard datalogger which allows to carry out a continuous and automated reading of Cathodic Protection data.

Reliability and solidity: data storage for **30 consecutive days** (data recovery in case of transmission problems), solid and compact container with built-in electronic card and modem, rigid antenna remotely mountable.

Extremely simple installation: neither specific knowledge nor special tools such as laptop, etc... are required.



Drone - more than 10.000 dataloggers installed on European territory.

TECHNICAL FEATURES

- **Measure channels :** 2 (voltage and current)
- **Data transmission :** Dual-band modem: gprs / data / sms
- **Selectable Voltage ranges :**
 - ☐ +/- 150 mV
 - ☐ +/- 10 V
 - ☐ +/- 100 V
- **Input impedance :** 1 Megaohm
- **Calibration :** Auto-check executed at each measure with warning to Data Center in case of wrong calibration
- **Working temperature :** From -20°C to + 60°C
- **Accuracy :** 0.5%
- **a.c. rejection :** - 60dB @ 50Hz
- **Power supply :** Built-in battery package
- **Battery life :** 36 months at standard working conditions (*)
 (*) Battery life is calculated with a sampling frequency 1 time per second and transmission of the statistical summary of each single day, at least every other day
- **Data transmission synchronization :** At 24:00 standard (programmable)

Data transmission frequency and storage capacity :

- **Transmission of the detected values :** Programmable
- **Maximum sampling frequency :** 1 s
- **Maximum storage frequency :** 1 s
- **Archive of daily statistic values :** (Minimum, Average, Maximum, Standard Deviation, Number of times beyond Threshold, Total time beyond Threshold) in case of transmission problems: **30 consecutive days**
- **Possibility of carrying out detailed recordings (LOG) :**
 - ☐ 24 hours recording, with transmission of the values of the 86.400 seconds of the day
 - ☐ 24 hours recording, with transmission of the summary values of the 1.440 minutes of the day (each of which including the values of Minimum, Average, Maximum, Standard Deviation, Number of times beyond Threshold, Total time beyond Threshold)
 - ☐ OFF potential measure, with disconnection of coupon

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The data are not binding. We reserve the right to make possible changes without prior notice.

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