TAÏGA PC

STAND-ALONE
REMOTE MONITORING
SOLUTION

Taïga PC is the cathodic protection remote monitoring solution that meets your needs.

Stand-alone, efficient and easy to use, TAIGA PC is an essential solution that can be easily integrated into all your sites. Deployed at the heart of your infrastructures, the device collects and transmits the data that will allow you to adjust your transformer rectifier units (TRU) and your drainage units (FDU or NDU) according to your needs and thus extend the life of your infrastructure.

TAIGA PC is an efficient and reliable solution which guarantees the operator optimal reactivity. •

TAÏGA PC

REMOTE MONITORING • STAND-ALONE
CATHODIC PROTECTION • SECURITY

TAÏGA PC • FEATURES

2 operating modes:
- « Transformer rectifier » mode
- « Drainage » mode

The equipment measures, per second, the following components:
- Transformer rectifier voltage or Rail Voltage « U Rail/ ground »
- Voltage « Pipe/ground »
- Current « shunt »
- Current on Metal Indicator «ITM»
- An option Voltage « pipe/ground » voltage option coming from a remote potential tap

ACQUISITION - PROCESSING

TAIGA PC carries out acquisitions every second on each of the measurement channels allowing statistical reports to be drawn up (min, avg, max). It also provides a history of measurements every minute.

ALARM MODE

When TAIGA PC detects a state change or a threshold crossing, it triggers a communication within one minute.

SOFTWARE UPDATE

The software update is done remotely.

STATISTIC DATA

In TRANSFORMER RECTIFIER mode:
The device indicates the distribution rate of the time spent daily according to 5 slices of the pipe / ground potential.

In DRAINAGE mode:
In partnership with A^2S^2, SIS offers you a new functionality! TAIGA PC manages optional statistical analyzes in “Expert” mode.

SIS offers you a complete TAIGA PC offer and its SiScada supervisor for an even richer and more efficient solution, do not hesitate to contact us!

CHARACTERISTICS

4 analog inputs
- Measurement of Transformer rectifier potential or « U Rail / Ground »
  - Measurement of a voltage of +/- 150 V rectified mono or two-wave
  - Accuracy +/- 1%
  - 50 Hz filtering
- Measurement of the Transformer rectifier or drainage current
  - Measurement on 100 mV shunt
  - Measurement +/- 100 mV
  - Accuracy +/- 1%
  - 50 Hz filtering
- Pipe / Ground potential measurement
  - Measurement of a voltage +/- 15 V
  - Input impedance> 10 MOhm
  - Measurement +/- 100 mV
  - Accuracy +/- 1%
- Measure on metallic corrosion coupon
  - Current measurement in the coupon +/- 20 mA accuracy +/- 1%

Acquisitions / Transmissions
- 1 acquisition per second
- Statistical processing per second
- Transmissions ensured by the SEV-BUS protocol

4 digital inputs
- Detection of dry contact opening type

1 output
- MOS type

Communication
- 1 local USB for SESAME configuration tool
- 1 LP WAN link such as GPRS 3G for supervision

Internal memory
- 8 to 12 days*

Power Supply
- 3-year battery life * with internal lithium battery
- 220v / 7v 1A transformer

Mechanical
- LCD screen for data consultation
- IP65 enclosure
- Case: H175 x L185 x P70 mm

Environment
- Operation: -20 ° C to + 70 ° C
- Storage: -40 ° C to + 85 ° C
- Humidity: 10% to 93% non-condensing

**Parameter setting (recording, alarm communication, etc ...)*

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