



ORDER CODE HV000421

# XL421

TRMS SINGLE-PHASE CURRENT DATA LOGGER



**PRICE** £899.00

XL421 is a **Data Logger** capable of measuring and recording the true root mean square (TRMS) value of AC current up to **2500A** in **single-phase** electric systems for different applications (evaluation of load currents, rated powers of transformers, etc.). The device is enclosed in a practical waterproof plastic case with integrated flex clamp jaws able to surround also a big-sized cable or bar. Thanks to an advanced memory management algorithm it is possible to monitor a system even for a long time. The device starts recording with a **sampling period** which can be selected through software among 1, 6, 30 and 60 seconds and, when memory is almost full, the previously recorded values are "re-sampled" according to the subsequent value of the sampling period, thus freeing part of the memory; the device then goes on recording new values, using the new measuring interval. In this way, it is possible to keep the device recording up to **approximately 1 year**. Each recording is kept stored in the internal memory and can be **downloaded and managed by PC** always through a dedicated software. Data Logger XL421 is also provided with a special adhesive strap which makes it possible to place it in any place in the installation where measuring is needed. The high protection rating (**IP65**) makes this device fully reliable also under extreme operating conditions.

## Functions and characteristics

## Accessories provided

- TRMS single-phase current measurement
- Measuring range: 1 ÷ 2500A AC
- Accuracy:  $\pm(1.0\% \text{reading} + 1 \text{ digit})$
- Resolution: 1A
- Operating frequency: 50 $\pm$ 6Hz, 60 $\pm$ 6Hz
- Bandwidth: 3200Hz
- Sampling frequency: 64 spots in 20ms
- Integration period: 1s, 6s, 30s, 60s, 5min
- Memory capacity: 1Mbyte
- Serial interface: RS-232
- Integration period.....duration in days:
  - 1s.....5
  - 6s.....34
  - 30s.....170
  - 60s.....364(\*)
  - 5min .....1820(\*)
- **Front panel indication:** LED diodes
- **Power supply:** 2x1.5V batteries type AA LR6
- **Battery life:** >6months (with loaded batteries)
- **Safety:** IEC/EN 61010-1
- **Measurement category:** CAT IV 600V (to earth)
- **Insulation:** Double insulation
- **Pollution level:** 2
- **Mechanical protection index:** IP65
- **Max height:** 2000m
- **Max diameter of flex clamps:** 174mm
- **Size (LxWxH):** 120x80x43 mm
- **Weight (batteries included):** approx. 0.5kg

VELCRO	Adhesive strap 50x70mm
TOPVIEW2004	Windows software for PC + serial cable C2004
BORSA 2000	Soft carrying bag
	Batteries
	User Manual

## Optional accessories

C2009	RS232-USB adapter
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\*according to battery duration



ORDER CODE HV000422

# XL422

TRMS THREE-PHASE CURRENT DATA LOGGER



**PRICE** £1295.00

XL422 is a **Data Logger** capable of measuring and recording the true root mean square (**TRMS**) value of AC current up to **2500A** in **three-phase** 3-wire electric systems for different applications (evaluation of load currents, rated powers of transformers, etc.). The device is enclosed in a practical waterproof plastic case with integrated flex clamp jaws able to surround also big-sized cables or bars. Thanks to an advanced memory management algorithm it is possible to monitor a system even for a long time. The device starts recording with a **sampling period** which can be selected through software among 1, 6, 30 and 60 seconds and, when memory is almost full, the previously recorded values are "re-sampled" according to the subsequent value of the sampling period, thus freeing part of the memory; the device then goes on recording new values, using the new measuring interval. In this way, it is possible to keep the device recording up to **approximately 90 days**.

Each recording is kept stored in the internal memory and can be **downloaded and displayed on the PC** always through a dedicated software. Data Logger XL422 is also provided with a special adhesive strap which makes it possible to place it in any place in the installation where measuring is needed. The high protection rating (**IP65**) makes this device fully reliable also under extreme operating conditions.



## Functions and characteristics

- TRMS three-phase current measurement
- Measuring range: 1 ÷ 2500A AC
- Accuracy:  $\pm(1.0\% \text{reading} + 1 \text{ digit})$
- Resolution: 1A
- Operating frequency: 50 $\pm$ 6Hz, 60 $\pm$ 6Hz
- Bandwidth: 3200Hz
- Sampling frequency: 64 spots in 20ms
- Integration period: 1s, 6s, 30s, 60s, 5min
- Memory capacity: 1Mbyte
- Serial interface: RS-232
- Integration period.....duration in days:
  - 1s..... 1.5
  - 6s..... 8
  - 30s..... 42
  - 60s..... 91
  - 5min ..... 455(\*)
- **Front panel indication: LED diodes**
- **Power supply: 2x1.5V batteries type AA LR6**
- **Battery life: >6months (with loaded batteries)**
- **Safety: IEC/EN 61010-1**
- **Measurement category: CAT IV 600V (to earth)**
- **Insulation: Double insulation**
- **Pollution level: 2**
- **Mechanical protection index: IP65**
- **Max height: 2000m**
- **Max diameter of flex clamps: 174mm**
- **Size (LxWxH): 120x80x43 mm**
- **Weight (batteries included): approx. 0.5kg**

\*according to battery duration



## Accessories provided

VELCRO	Adhesive strap 50x70mm
TOPVIEW2004	Windows software for PC + serial cable C2004
BORSA75	Soft carrying bag
	Batteries
	User Manual



## Optional accessories

C2009	RS232-USB adapter
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ORDER CODE HV000423

# XL423

TRMS SINGLE-PHASE VOLTAGE  
DATA LOGGER



XL423 is a **Data Logger** capable of measuring and recording the true root mean square (**TRMS**) value of AC voltage up to **600V** in **single-phase** electric systems for different applications (evaluation of power voltage, load unbalance, etc.).

The device is enclosed in a practical waterproof plastic case with integrated flex clamp jaws able to surround also a big-sized cable or bar. Thanks to an advanced memory management algorithm it is possible to monitor a system even for a long time. The device starts recording with a **sampling period** which can be selected through software among 1, 6, 30 and 60 seconds and, when memory is almost full, the previously recorded values are "re-sampled" according to the subsequent value of the sampling period, thus freeing part of the memory; the device then goes on recording new values, using the new measuring interval. In this way, it is possible to keep the device recording up to **approximately 1 year**. Each recording is kept stored in the internal memory and can be **downloaded and displayed on the PC** always through a dedicated software. Data Logger XL423 is also provided with a special adhesive strap which makes it possible to place it in any place in the installation where measuring is needed. The high protection rating (**IP65**) makes this device fully reliable also under extreme operating conditions.



**PRICE** £549.00



## Functions and characteristics

- TRMS single-phase voltage measurement
  - Measuring range: 0 ÷ 600VAC
  - Accuracy:  $\pm(1.0\% \text{reading} + 1 \text{ digit})$
  - Resolution: 0.1V
  - Operating frequency: 50±6Hz, 60±6Hz
  - Bandwidth: 3200Hz
  - Sampling frequency: 64 spots in 20ms
  - Integration period: 1s, 6s, 30s, 60s, 5min
  - Memory capacity: 1Mbyte
  - Serial interface: RS-232
  - Integration period.....duration in days:
    - 1s.....5
    - 6s.....34
    - 30s.....170
    - 60s.....364(\*)
    - 5min .....1820(\*)
  - Front panel indication: LED diodes
  - Power supply: 2x1.5V batteries type AA LR6
  - Battery life: >6months (with loaded batteries)
  - Safety: IEC/EN 61010-1
  - Measurement category: CAT IV 600V (to earth)
  - Insulation: Double insulation
  - Pollution level: 2
  - Mechanical protection index: IP65
  - Max height: 2000m
  - Size (LxWxH): 120x80x43 mm
  - Weight (batteries included): approx. 0.5kg
- \*according to battery duration*



## Accessories provided

KITXL423C	Set of 2 alligator clips
VELCRO	Adhesive strap 50x70mm
TOPVIEW2004	Windows software for PC + serial cable C2004
BORSA2000	Soft carrying bag
	Batteries and user manual



## Optional accessories

C2009	RS232-USB adapter
606-IECN	Connector with magnetic terminal



ORDER CODE **HV000424**

# XL424

TRMS THREE-PHASE VOLTAGE  
DATA LOGGER

→ **TRMS**



**PRICE**    **£649.00**

XL424 is a **Data Logger** capable of measuring and recording the true root mean square(**TRMS**) value of AC voltage up to **600V** in **three-phase** 3-wire electric systems for different applications (evaluation of power voltage, load unbalance, etc.).

The device is enclosed in a practical waterproof plastic case with integrated flex clamp jaws able to surround also a big-sized cable or bar. Thanks to an advanced memory management algorithm it is possible to monitor a system even for a long time. The device starts recording with a **sampling period** which can be selected through software among 1, 6, 30 and 60 seconds and, when memory is almost full, the previously recorded values are "re-sampled" according to the subsequent value of the sampling period, thus freeing part of the memory; the device then goes on recording new values, using the new measuring interval. In this way, it is possible to keep the device recording up to **approximately 90 days**. Each recording is kept stored in the internal memory and can be **downloaded and displayed on the PC** always through a dedicated software. Data Logger XL424 is also provided with a special adhesive strap which makes it possible to place it in any place in the installation where measuring is needed. The high protection rating (**IP65**) makes this device fully reliable also under extreme operating conditions.



## Functions and characteristics

- AC TRMS three-phase voltage measurement
  - Measuring range: 0 ÷ 600VAC
  - Accuracy: ±(1.0%reading+1 digit)
  - Resolution: 0.1V
  - Operating frequency: 50±6Hz, 60±6Hz
  - Bandwidth: 3200Hz
  - Sampling frequency: 64 spots in 20ms
  - Integration period: 1s, 6s, 30s, 60s, 5min
  - Memory capacity: 1Mbyte
  - Serial interface: RS-232
  - Integration period.....duration in days:
    - 1s..... 1.5
    - 6s..... 8
    - 30s..... 42
    - 60s..... 91
    - 5min ..... 455(\*)
  - **Front panel indication: LED diodes**
  - **Power supply: 2x1.5V batteries type AA LR6**
  - **Battery life: >6months (with loaded batteries)**
  - **Safety: IEC/EN 61010-1**
  - **Measurement category: CAT IV 600V (to earth)**
  - **Insulation: Double insulation**
  - **Pollution level: 2**
  - **Mechanical protection index: IP65**
  - **Max height: 2000m**
  - **Size (LxWxH): 120x80x43 mm**
  - **Weight (batteries included): approx. 0.5kg**
- \*according to battery duration*



## Accessories provided

KITXL424C	Set of 4 alligator clips
VELCRO	Adhesive strap 50x70mm
TOPVIEW2004	Windows software for PC + serial cable C2004
BORSA2000	Soft carrying bag
	Batteries and user manual



## Optional accessories

C2009	RS232-USB adapter
606-IECN	Connector with magnetic terminal