



**Product ID:** CexLab  
**Category:** Logger

Datalogger and controller for remote control and monitorization with radio communications.

## TECHNICAL SPECIFICATIONS

<b>CPU</b>	Microcontroller 16bits@16MHz with 128Kb Flash and 16Kb RAM
<b>Memory</b>	Dataflash of 4 Mb for storing 100.000 records
<b>Real time clock</b>	External with battery
<b>ADC</b>	ADC of dedicated 16bits
<b>Watchdog timer (WDT)</b>	Internal and external Watchdogs available
<b>Buttons</b>	1 button for reading the display and configuration
<b>LED indicators</b>	3 status LEDs (radio transmission, warning and measurement)
<b>Display</b>	2x16 alphanumeric LCD

## I/O AND COMMUNICATION PORTS

<b>I/O</b>	<ul style="list-style-type: none"> <li>1 potential free digital input</li> <li>4 analog inputs for PT100/PT1000 and analog sensors (current and/or voltage): 0- 1.25V, 0-2.5V, 0-5V, 0-10V and 4- 20mA</li> <li>1 digital output with solid state relay (Max. 60VCC/160mA).</li> <li>1 alarm buzzer. 1 system to detect power failure</li> </ul>
<b>Communication ports</b>	1 Radio RF 802.15.4g at 868 MHz.

## POWER CIRCUIT

**Supply voltage** 4xAA batteries. Adapter for 12VCC current.

**Maximum consumption** <1,2W

## ENVIRONMENTAL CONDITIONS

**Working temperature** -20° ~ 40°C

**Humidity** 5% ~ 95% (without condensation)

## INFORMATION ABOUT ORDERING

**Minimum order** 1

**Order reference** CexLab 4 channels

## CONSTRUCTION FEATURES

**Dimensions** 84,6x84,3x37,75mm (W/H/D)

**Box material** ABS

**Type of installation** Superficial

**Degree of protection** IP20

**Weight** 115g

## CERTIFICATES AND DECLARATIONS

**Rules** EN 60950-1:2006 + A11:2009  
+ A1:2010 + AC:2011 + A12:2011  
+ A2:2013  
EN 301489-1 v2.2.0  
EN 301489-3 v2.1.1  
CFR-21 Parte II



This product is compatible with RoHS (2011/65/UE)