



Kipp & Zonen LOGBOX SE Data Logger

Product #: 3303096
USD Price: Contact Hach

Highly accurate, versatile, waterproof data logger.

The LOGBOX SE is a data logger with analog, digital and Modbus® inputs that allow connection to multiple instruments at the same time. Each input can convert measured values into engineering units. The data is stored on a SD memory card; 512 MB is included as a standard but it can be expanded to 4 GB. LOGBOX SE is an ideal data logger for many applications in solar energy, meteorology, climatology, hydrology and agronomy. The low-level milli-volt outputs of our passive instruments require accurate analogue-to-digital conversion and the four 24-bit high resolution differential analogue inputs of LOGBOX SE can easily be configured for these and they can also be used for the Pt-100 temperature sensors fitted to some of our models.

Waterproof and easy mounting

Without any modification, the LOGBOX SE can be installed outside on a flat surface like a wall or on a pole with the standard pole mount.

Versatile

The LOGBOX SE can handle both analog and Modbus sensors, has a built in 4G LTE modem and can run from internal batteries or external power supply.

High accuracy

The four analogue differential inputs are 24 bit, calibrated and very stable.

Long battery life

Easy setup.

Specifications

Accuracy:	0.05 % for 24-bit, 0.1 % for 12-bit
Analog Inputs:	4 differential 24-bit and 4 single-ended 12-bit
Antenna:	Yes, GSM
Battery Type:	6 x AA
Communication:	RS-232, USB, Multi Band LTE Cat 1 with 2G / 3G fall-back modem with external antenna
Digital I/O:	4, maximum input 15 V, logic levels 3 x 3 V and 1 x 0.5 V
Digital Outputs:	4, maximum input 15 V, logic levels 3 x 3 V and 1 x 0.5 V
Dimensions:	17 x 14.5 x 5 cm (170 x 145 x 50 mm)
Display:	n.a.
Input Range:	0 - 2500 mV selectable

Input Voltage:	6 x AA internal batteries or external supply 4 to 24 V
IP Rating:	IP65
Memory:	SD card up to 4GB (512 MB industrial type included)
Operating Temperature Range:	-40 - +60 °C
Power Consumption:	1 mA standby, 7 mA typical during measurement, 50 mA with modem on
Serial Input:	RS-485 port for up to 8x compatible Modbus® devices from Kipp & Zonen, Lufft or IMT
Solar Power:	Regulates 12-20 V from solar panel and charges 12 V lead acid battery
Temperature Range:	14 - 104 °F (-40 - 60 °C)