

Four channel data logger with pulse and two-state inputs

Model: U7844



Data logger is designed to record from four binary inputs or from two pulse and two binary inputs.

The recording is performed in a non-volatile electronic memory. The data can be transferred to a PC via USB-C.

Datalogger inputs can be set up for four binary inputs or two binary inputs and two pulse counters.

In case of exceeded set limits alarms are indicated by LED, LCD and acoustically by built-in beeper.

The device **includes Traceable calibration certificate** with declared metrological traceability of etalons is based on requirements of **EN ISO/IEC 17025 standard**.

Included in delivery:

- U7844
- Manual
- Traceable calibration certificate
- Technical support at [discussion forum](#)
- [FREE analytical software COMET Vision](#)

Technical specifications

Operating voltage	$0.4 \text{ V} < \text{V}_{\text{supply}} < 2 \text{ V}$ or $0 \text{ V} < \text{V}_{\text{supply}} < 30 \text{ V DC}$
Input impedance	Input impedance $< 10 \text{ k}\Omega$ or $> 300 \text{ k}\Omega$ for 3 V supply voltage, 1 s
Resolution	24 bit (16 777 215) or TBD
Sampling rate	1 s to 24 h
Measurement range	1 s, 10 s, 1 min
Memory capacity	500 000 or 350 000 or more
Power supply	Lithium battery 3.6V, size AA
IP rating	IP20
Dimensions	61x93x32
Weight	120 g
Warranty	3 years