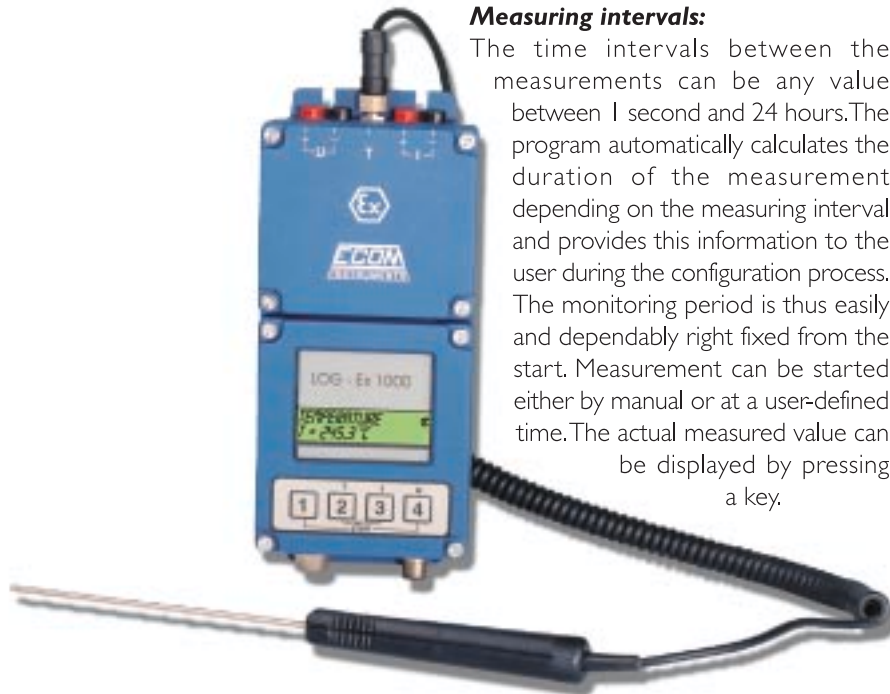


Intrinsically-Safe Data Logger LOG-Ex 1000



Measuring intervals:

The time intervals between the measurements can be any value between 1 second and 24 hours. The program automatically calculates the duration of the measurement depending on the measuring interval and provides this information to the user during the configuration process. The monitoring period is thus easily and dependably right fixed from the start. Measurement can be started either by manual or at a user-defined time. The actual measured value can be displayed by pressing a key.

For the recording, processing and documentation of voltage, current and temperature values in Ex-hazardous areas.

Measuring range:

- Voltage 0,000 to 2,300 V
- Current 0,00 to 25,00 mA
- Temperature -100,0 to 500,0° C
- Real-time storage capability
- Start of measurement: manual or automatic
- Keypad: simple, easy to use
- Recording: up to 3 channels simultaneously

Area of application:

The Log-Ex 1000 can be used wherever there is a requirement for time-related documentation of electrical variables and temperatures.

The instrument is independent of mains power supply thanks to its internal power supply; no power cables are required. The high degree of protection and the holding devices on the housing mean that the Log-Ex 1000 can be used for long-term measurements in the vicinity of the equipment to be measured, even under harsh operating conditions.

Power supply:

The Log-Ex 1000 takes its power from a NiMH battery whose charging unit has been specially developed for optimum battery care. This innovation not only ensures many years of battery life but also benefits for the user.

Memory:

The measurements are stored in non-volatile memory. This ensures that the recorded data is retained even if the power supply fails. The maximum memory capacity of the Log-Ex 1000 is 200000 measurements. If more than one channel is activated, the amount of available memory is reduced to 1/2 or 1/3 respectively. The resolution of the A/D converter is 16 bit.

Ex-data:

Ex designation:
Ⓔ II 2 G EEx ia IICT4

EC-Certificate of conformity:
TÜV 98 ATEX 1318 X

Standard delivery:

Log-Ex 1000 incl. interface-cable, software, battery charger; PT 100 probe, adapter for PT 100 probe and Calibration-Certificate

Accessories:

Calibration-Certificate
DKD-Certificate

Technical data:

Measurement memory:	max. 200.000
PC connection:	RS 232 interface
Software:	Windows 95 and higher
Measuring interval:	1 sec to 24h
Operating times:	approx. 3 months with 1 minute measurement cycle
Keypad:	4 button
Display:	2 lines
Inputs for voltage and current measurement:	4 mm sockets
Operating temperature range:	-10° C to +40° C
Storage temperature range:	-20° C to +50° C
Relative humidity:	0 to 90% r.H. non-condensing rechargeable NiMH battery
Power supply:	robust metal housing
Housing:	IP 65
Ingress protection:	approx. 770 g
Weight:	210 x 90 x 40 mm
Dimensions:	

