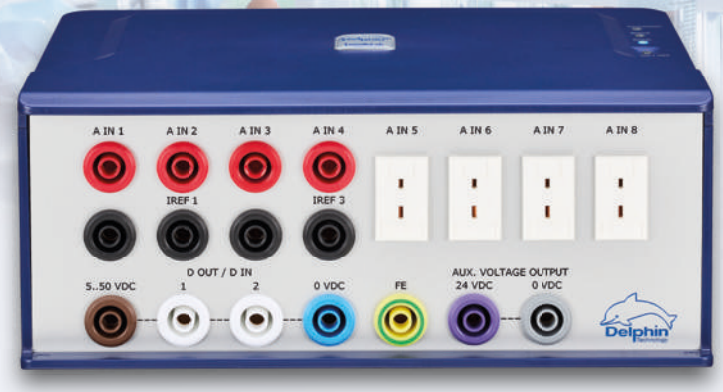
LoggitoLab



COMPACT **MEASUREMENT DATA LAB**

Versatile. High-precision. Scalable.

Delphin Technology

FAST. **PRACTICAL.** READY TO USE.

What do data acquisition in laboratories and fault value analysis on machines and systems have in common? The answer is simple. Both require a compact and practical recording device with fast, tool-free sensor connection and high versatility for setting up measurement tasks.

Delphin Technology's new LoggitoLab now offers the perfect solution for many areas of usage. LoggitoLab is optimally equipped for efficiently undertaking laboratory tasks as well as for use on frequently changing and ad hoc measuring tasks on machines and systems.

The practical desktop device has a selection of laboratory and/or miniature thermal sockets to make it especially simple to connect any current/voltage and temperature signals.

LoggitoLab – Smart measurement data acquisition in laboratories

LoggitoLab

Product features

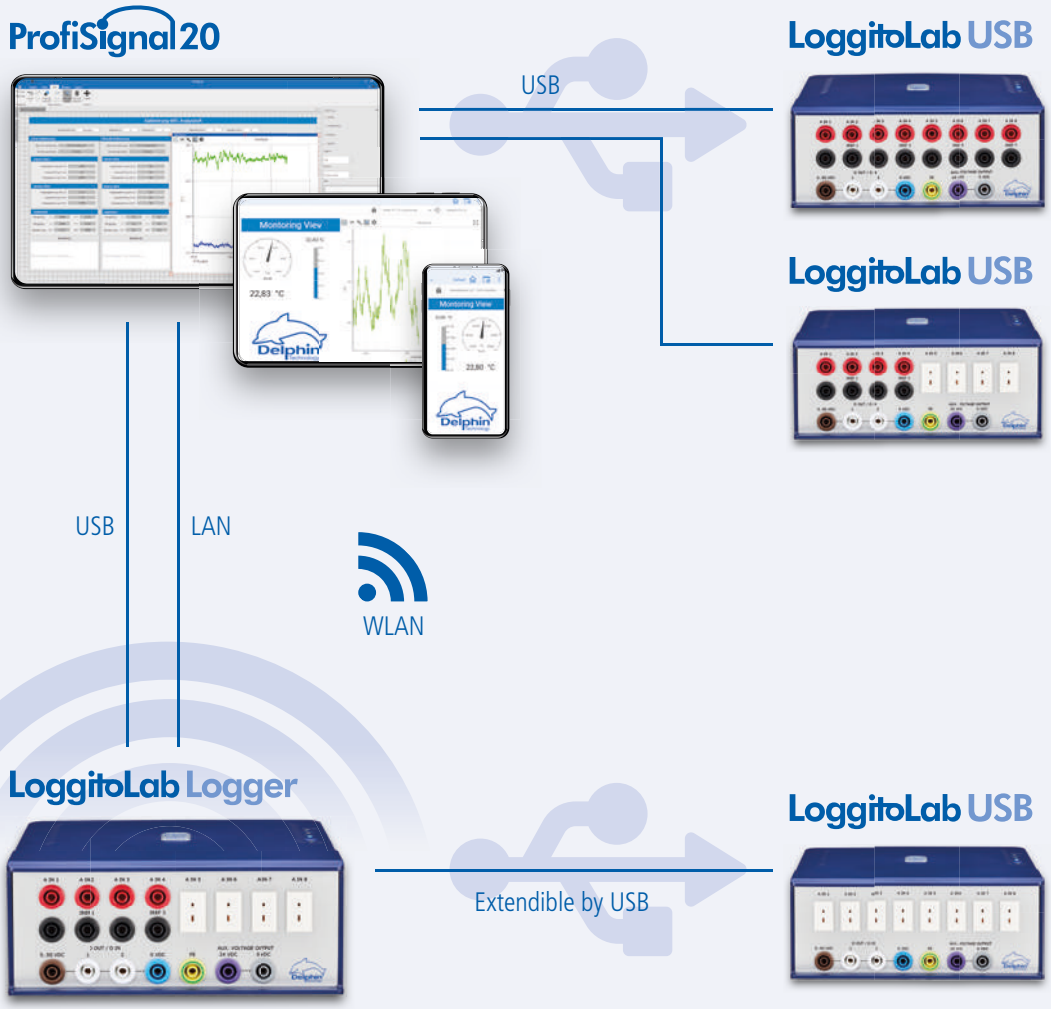
- Plug & Play – Flexible and ready-to-use desktop device with universal analog inputs and combined digital inputs/outputs
- Optional laboratory and/or miniature thermal sockets to easily connect any current/voltage and temperature signals
- Maximum measuring precision and resolution
- Integrated server capability to instantly visualise and analyse measurement data via smartphone or tablet*.
- Versatile interfaces: LAN, USB, WLAN*, OPC UA*, Modbus TCP*
- Easy extendibility and scalability when extra channels needed
- Optional internal data memory

Areas of use

- Laboratory data acquisition
- Mobile data acquisition
- School and university experiments
- Fault value recording and analysis for machines and systems
- Ad hoc measuring of any type
- Temperature distribution measuring
- Research and development

*optional

MEASUREMENT DATA **ACCESSIBLE ON THE GO**



Fail-safe, independent and universal

LoggitoLab stands for high-precision and universal measurement data acquisition for laboratories and for frequently changing measurement tasks.

LoggitoLab Logger

LoggitoLab Logger is the device of choice when users require PC-independent operation with fail-safe internal data storage and smart analysis functions. The LoggitoLab Logger also features an optional server capability allowing measurement data to be instantly visualised and analysed on a smartphone or tablet. The optional WLAN interface allows full independence from existing network infrastructures.

Our new measurement data software ProfiSignal 20 combines with the acquisition hardware to turn the LoggitoLab into a full measurement data laboratory.

LoggitoLab USB

LoggitoLab USB is ideal for extending LoggitoLab loggers when extra channels are required or PC-based data logging is planned. LoggitoLab USB delivers the same high-precision data acquisition and connection options as LoggitoLab Logger and at an affordable price. Power supply and measurement data transmission take place simply via the supplied USB cable.

LoggitoLab USB

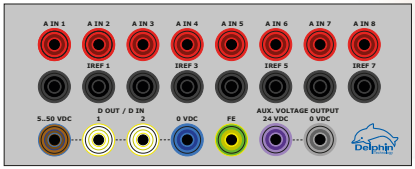
LoggitoLab Logger

CONNECTION VARIANTS FOR YOUR APPLICATION

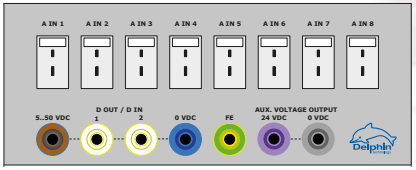
Simply plug in with **LoggitoLab**

Do you need laboratory sockets for connecting voltage, current, resistance signals, or miniature thermal sockets for directly connecting any thermocouples, or a combination of both?

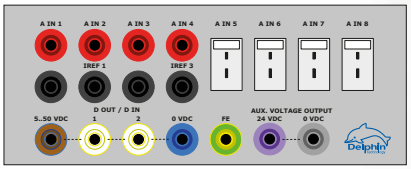
LoggitoLab has the ideal solution for any application. All connection variants have eight analog inputs and two software-switchable digital inputs/outputs. A special feature is that the connection variants are available for both the LoggitoLab Logger and for the LoggitoLab USB. You and your application therefore benefit from maximum flexibility.



Connection variant 8 AI-RTD with eight universal analog inputs to connect any voltage, current and RTD signals in 2-, 3- and 4-wire technology via 4 mm lab sockets.



Connection variant 8 TC with eight analog inputs for direct connection and high-precision measurement of any thermocouples via miniature thermal sockets.



Connection variant 4 AI-RTD 4 TC for full flexibility with a combination of 4 analog inputs with 4 mm laboratory sockets and 4 analog inputs with miniature thermal sockets.

All connection variants have 4 mm laboratory sockets for the digital inputs and outputs.

Connection variant	8 AI-RTD	8 TC	4 AI-RTD 4 TC
Analog inputs (mV, mA (passive), thermocouples, RTD	8 (max. 4 RTD)	0	4 (max. 2 RTD)
Analog inputs (thermocouples)	0	8	4
Digital inputs / outputs (combi)	2	2	2

Technical specifications for the LoggitoLab:

EASY **LOGGING OF LAB MEASUREMENT DATA**

Practical **laboratory** and **miniature thermal sockets** for any application

In laboratories, a measuring device must be flexible and very easy to use.

LoggitoLab shows its strengths here with universal analog and digital I/Os and the practical laboratory and miniature thermal sockets. The plug-in technology enables flexible handling and quick conversion to changing needs, without the need for tools and without any additional wiring required. Any sensor signal is reliably recorded by the LoggitoLab, no matter whether an experiment requires flow rates, conductivity or pH values to be measured. For high numbers of channels, additional LoggitoLab USB devices can be used as cost-effective extensions. The smart LoggitoLab enables even complex test sequences to be configured internally and automatically performed. Recorded measurement data is stored securely in the device and can be accessed at any time. The new ProfiSignal 20 software package can be used for operating and monitoring, and makes analysing the data simple and intuitive.


Temperature - Monitoring

RECORDING FAULT VALUES

Fast **fault value analysis** and **troubleshooting** directly at the system

Machines and systems are usually managed and controlled by PLC systems or industrial PCs. These usually perform reliably once the sequential control has been adapted to the task. However, frequent sources of error come from electromechanical components such as valves, contactors or drives. What is to be done if a process does not work as intended or sporadic errors occur or non-standard behaviour is observed?

It generally makes sense in analysis to acquire digital and analog signals in parallel to existing systems. This requires equipment that is suitable for industrial use and resistant to EMC interference. Measurements need to be made ad hoc, i.e. without preparation and with minimal wiring effort. This is exactly where LoggitoLab comes into its own: its practical laboratory or miniature thermal sockets enable effortless connecting of any sensor. Fast and parallel scanning of digital and analog signals enables the easy finding of faults that would otherwise remain undetected. In combination with the ProfiSignal 20 software and its multi-track diagram feature, analysis can be performed clearly with analog and digital signals being displayed synchronously. The LoggitoLab's server capability also enables instant display on a tablet or smart phone at the system site when required.

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