

Demonstration setup of  
the VIPLAX system



## Applications

- Signal transmission in high voltage equipment
- Signal transmission in areas with high environmental, electrical pollution' (working sites, power plants)
- Offshore signal processing
- remote control (worldwide) via TCP/IP network

VIPLAX links ...



## Further Information

- VIPLAX user documentation:  
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# VIPLAX



**Inventronik** GmbH  
Kompetente Lösungen für Ihre Ideen

## Competent Solution: VIPLAX

VIPLAX is a fiber optic data transmission system for analog signals. Consisting of a transmitter unit, a receiver unit, suitable power supplies and the fiber optic line, the transmitter converts analog signals into a serial digital data stream, which is sent via a fiber optic line to the receiver where it is converted it back to an analog signal.

An output amplifier, working as an impedance converter, provides low impedance output. For example, it is possible to connect terminated BNC cables without losing any of the analog signal performance. The digital resolution of VIPLAX is 14 bit, the analog bandwidth is 2.5 MHz (3 dB).

VIPLAX is a system with the capability to transmit analog signals of the highest quality between electrical potentials.

Besides analog data transmission VIPLAX offers digital data processing – with the inherent advantages of a faster response time and higher signal quality. For this reason the receiver is equipped with a digital interface.



VIPLAX transmitter



VIPLAX receiver with power supply

Further outstanding features of the VIPLAX system are:

- supervision of VIPLAX system states,
- window comparators in the transmitter and the receiver with very low response time,
- comfortable service software,
- simple installation due to flexible accessories,
- software and installation support.

VIPLAX is available in different implementations.

Transmitter:

- as handheld (see left figure),
- as plug-in units for 19" subracks,
- multi-channel variations,
- bi-directional variations.

Receiver:

- plug-in units for 19" subracks, with USB configuration interface (see figure above) or
- with TCP/IP remote control capability,
- variations as handhelds,
- bi-directional variations,
- fiber optic lines with more than 5000 feet are possible,
- web-interface, SNMP, telnet for remote control.

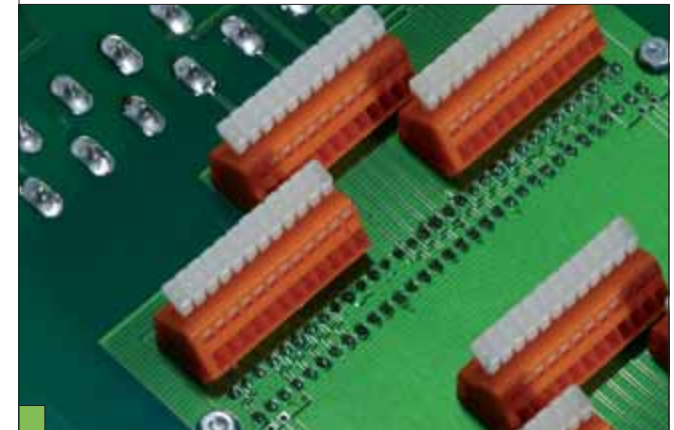
## Accessories

Backplane for 19" subracks with 3U for the wiring of VIPLAX receivers with the correct power supply.

Variations:

- Basic – Wiring one receiver module to the power supply,
- Basic-Bi – Wiring two receiver modules to a single power supply.

Fiber optic line. Inventronik can deliver any length up to 5,000 feet with ST connectors on both ends.



Backplane  
Basic-Bi



Fiber optic line  
with ST plugs