INBLOX® Modular INspektor®

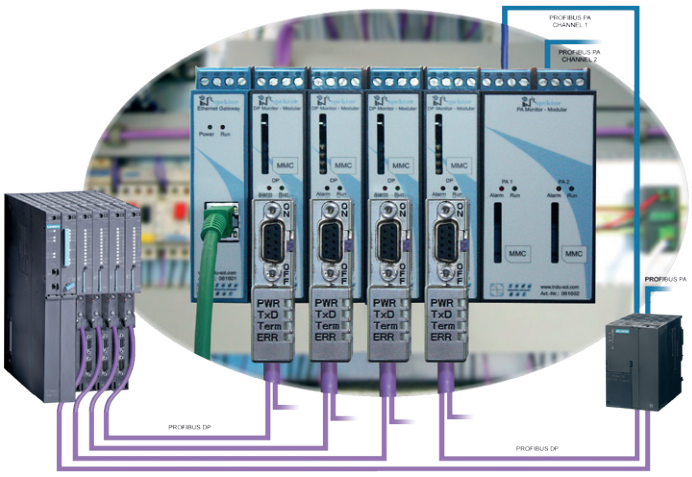
Function

The **Modular INspektor®** of the INBLOX® series is a passive data collector analysing and evaluating logic and physical parameters both in PROFIBUS DP and PROFIBUS PA. Depending on the configuration it is also possible to evaluate a PROFIBUS master by which parameterization can be done according to FDT/DTM. You have thus a means to monitor the field bus and the field devices in one single application.
Events that can be evaluated in the analysis are

- quality characteristics through bar chart
- error telegrams
- repeat telegrams
- diagnostic messages of individual devices
- device failures
- oscilloscope function – assessment of bit form.

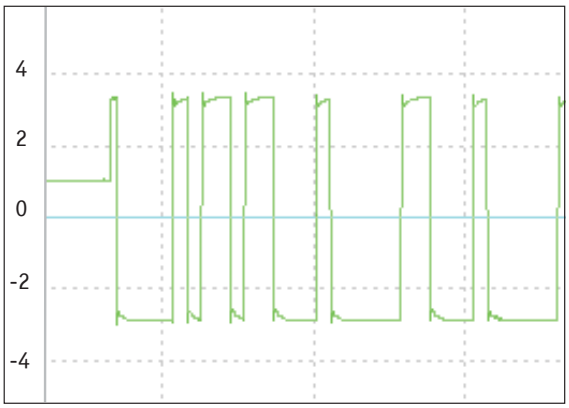
An integrated web server displays the network condition on every PC in form of a device-related matrix. It is also possible to store telegram recordings of events on a memory card and display the same separately.

The Modular INspektor® consists of a head module used for connection to the existing Ethernet. It can be extended by up to five modules. By combining diagnosis and parameterization saves cost and time for commissioning and maintenance.

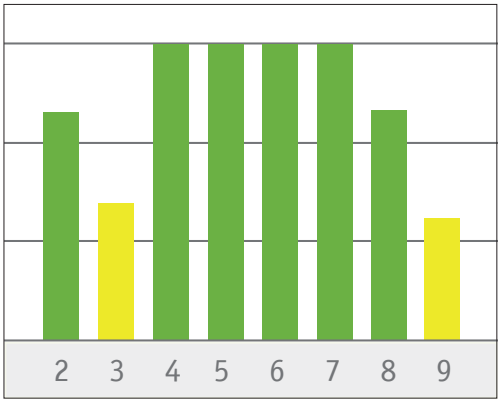


Ordering details	Art. No.
Ethernet head module (E head)	124060000
Extension DP Diag+ Rep	124060010
Extension PA Diag+	124060001
Extension DP Diag Master	124060003
Extension DP Diag Rep X1	124060013
Extension DP Diag Rep X2	124060012
Extension DP Diag Rep X4	124060009
Extension alarm module	124060006

Modular INspektor® with head module and extension modules



Oscilloscope function



Transmission performance

Updated 05/2016

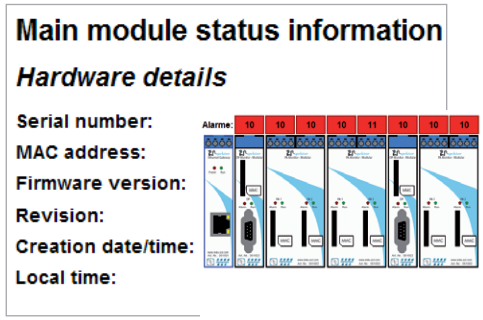
INBLOX® Modular INspektor®

Function/Technical data

E head module

The **Ethernet head module** of the Modular INspektor® is used for connection to the existing Ethernet. It is thus possible to access up to five extension modules (PROFIBUS DP, PROFIBUS PA, FDT/DTM) at the same time ander one IP address.

- Connection: RJ-45 (Ethernet)
- Baud rate: 10 MBit/s / 100 MBit/s
- Voltage supply: ±24 VDC ±20%
- Installation: 35 mm DIN top-hat rail
- Dimensions (H x W x D): 114,5 x 22,5 x 110 mm
- Protective system: IP20

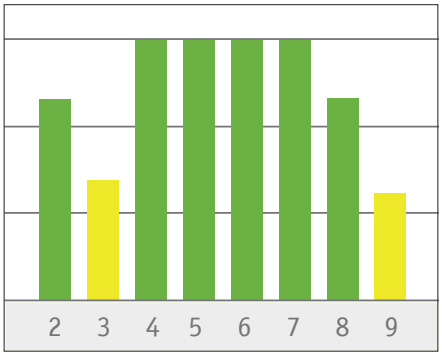


Ethernet head Module (E head)

Extension DP Diag+ Rep

The **DP Diag+ Rep modul** is a decentralized PROFIBUS measurement tool with repeaterfunction developed for the temporary and permanent monitoring of the logic and physical data traffic. All major events are recognized, evaluated, buffered and displayed for every DP strand according to a web interface. Every event is stored as a telegram and oscilloscope snapshot.

- Connection: RS-485 socket
- Baud rate: 9,6 kBit/s to 12 MBit/s
- Voltage supply: according to backplane bus
- Protocols: DP, DPV1, FMS, MPI
- Installation: 35 mm DIN top-hat rail
- Dimensions (H x W x D): 114,5 x 22,5 x 110 mm
- Protective system: IP20

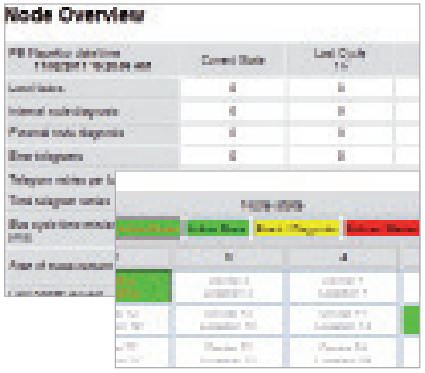


Extension DP Diag+ Rep

Extension PA Diag+

The **PA Diag+ modul** module can monitor, analyse and display the results of 2 PA segments in parallel. The PROFIBUS PA analyses and evaluates logic parameters as does the PROFIBUS DP. Parameters included are error telegrams and repeat telegrams but also diagnostic messages by the individual devices and device failures.

- Connection: 2 screw terminals
- Baud rate: 31,25 kBit/s
- Voltage supply: according to backplane bus
- Protocols: PROFIBUS PA
- Installation: 35 mm DIN top-hat rail
- Dimensions (H x W x D): 114,5 x 22,5 x 110 mm
- Protective system: IP20

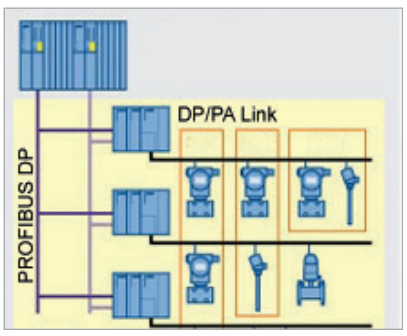


Extension PA Diag+

Extension DP Diag Master

The **DP Diag Master module** enables the PROFIBUS DP to do FDT/DTM parameterization parallel to all analyses. It only needs a frame application, such as PACTware by which it is possible to parameterize and configure devices and modules as master class 2 according to Ethernet. The logic diagnosis can be retrieved according to the web interface of the E-head. By this module it is possible to combine parameterization and logic monitoring in one module.

- Connection: RS-485 socket
- Baus rate: 9,6 kBit/s bis 12 MBit/s
- Voltage supply: according to head module
- Protocols: DP, DPV1
- Installation: 35 mm DIN top-hat rail
- Dimensions (H x W x D): 114,5 x 22,5 x 110 mm
- Protective system: IP20



Extension DP Diag Master

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