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## Monitoring – easier than ever

With the **PROFIBUS-INspektor® NT** you are well-equipped to have your PROFIBUS plant stay in operation without interruption until you retire.

This data collector works passively in the background to monitor logical data traffic and gives an alarm signal as soon as abnormalities appear – not just when shutdown occurs. Quality-relevant events are analyzed, evaluated and stored for each device.



### Events

- Error telegrams
- Repeat telegrams
- Device failures
- Device restarts
- Device diagnosis
- Bus cycle times

### Data retrieval

No additional software is required to retrieve PROFIBUS-INspektor® NT data. You only need an internet browser (e.g. Internet Explorer) to display both the current network status and the history of previous events.

The screenshot shows the web interface for PB-INspektor. At the top, it says 'Musteranlage October 30, 2014 11:59:07' and 'Notfalldienst: +49 34491 5818-0'. The main status is 'Störungsfrei seit 133 Tagen.' with a green checkmark. Below this is a 'Teilnehmerübersicht' section with filters for 'Anzeige' (set to 'nur vorhandene') and a list of device status cards: Device 3 (OK), Device 5 (Ausfall), Device 30 (Beschreibung 30), Device 33 (Beschreibung 33), Device 34 (Beschreibung 34), Device 44 (Beschreibung 44), and unknown destroyed frames. On the right, a vertical timeline shows the 'aktueller Buszustand' as 'Sehr gut' with a series of status icons (checkmarks, exclamation marks, and crosses) corresponding to timestamps from 18.06.2014 20:06:46 Uhr to 19:41:02 Uhr.

At a glance it is obvious how long your network runs interruption-free or at which time an error occurred.



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## Alarming

As soon as a defined threshold value is exceeded an alarm is given by the INspektor®. Hence appropriate maintenance measures can be taken in good time.

The alarm list supplied by the INspektor® provides detailed information about what error occurred at which device, at which time and which event (threshold value) caused this. The large memory allows recording of up to 2000 alerts. Each alert includes a snapshot of 500 telegrams.

Auto-Update

Fehler	Gerät	Schwellwert	Datum	
manueller Snapshot	-	-	18.06.2014 19:54:22.049	
Statuswechsel (Ausfall)	5	Neustart	18.06.2014 19:52:24.763	
Statuswechsel (Alarm)	5	Dianose (intern)	18.06.2014 19:52:24.761	
Statuswechsel (Alarm)	44	Fehltelegramm	18.06.2014 19:50:31.275	

1 bis 4 von 4 Einträgen

Snapshotgröße:  manueller Snapshot

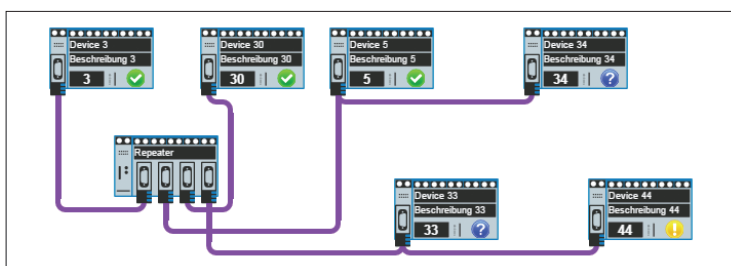
### Alarm features

- Email notification
- Floating contact
- LED display

## Topology

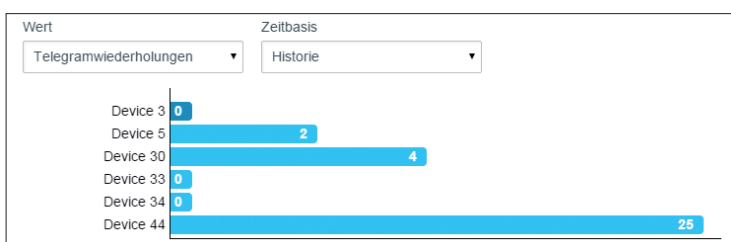
The topology of your PROFIBUS network is directly visible via the web interface of the INspektor®.

A network overview is provided with a clear statement on the current PROFIBUS network status.



## Error statistics

There is a clear display which device is affected most by events (e.g. repeat telegrams). This information is essential for troubleshooting.



## Recommendation

The network management software **PROmanage® NT** provides long-term recording throughout the entire life cycle of your plant. Additionally, all network data of PROFIBUS plants at various locations can be centrally summed up.

Ordering details	Art. No.
PROFIBUS-INspektor® NT	124010020
PROmanage® NT (40 ports / 5 PB-INspektors®)	117000031