

Qualitätstester ASi View

Function

The ASi view is a tool for determining the physical and logic communication quality of the data exchange in ASi networks. The measurement is performed online while the system is running. The measuring and test results are displayed through a software on your PC. An USB interface is used for the connection to the PC.

Automatic mode

The Automatic mode measures the communication parameters and gives general assessment of the quality at site. All that is needed is to connect the adapter cable to the network to be tested and connect a laptop according to an USB cable, start the control program and store the data after a certain collection time. If problems are signalled, the information issued by the program in plain text should be followed. No special knowledge of AS interface is required for the automatic mode.

Expert mode

The „Expert“ mode as a second mode is designed for a detailed analysis of any problem that may arise in the AS-interface network. This mode requires specific knowledge of the AS-interface and the communication principles applied. It may be used both at site by qualified service personnel and at the lab by product developers and enables an in-depth analysis of the communication events in the network.

Technical data

- DC voltage supply according to USB interface from the PC
- Max. Power: 420 mA
- Voltage: max. 40 Vss
- Frequency: AS-Interface frequency spectrum
- Sampling rate: 2,5MHz
- Measuring time for a Data block: 50ms

Ambient conditions

- Protective system: IP20
- Temperature range: 0 to 45 °C
- Relative humidity: max. 80%, non-condensing

Scope of delivery

- ASi View
- ASiMA (ASi measuring Adapter M12)
- Oszi M12 adapter
- USB cable (2 m)
- CD containing software and user manual



Ordering details

Art. No.

ASi View

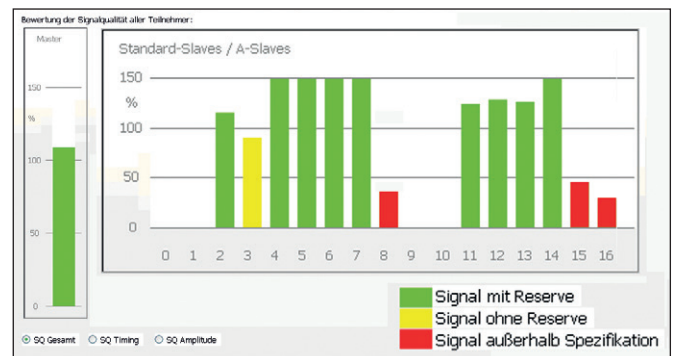
120010011

ASi Diagnostic Set

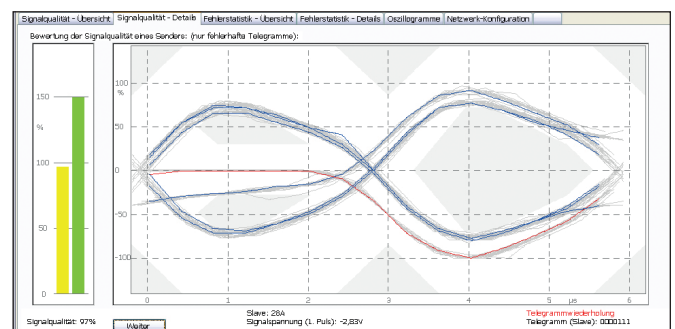
120010002



ASi View



Evaluation of the signal quality for all devices



Evaluation of the signal quality for one device „eye pattern“

Statistik der Kommunikationsfehler bei Datenaustausch (Details):

Standard- und A-Slaves:			B-Slaves:		
Anzahl	Master-F	Slave-F	Anzahl	Master-F	Slave-F
1: 1790	2	0	1: 4720	0	0
2: 9036	0	0	2: 0	0	0
3: 4765	1	0	3: 4740	0	0
4: 4870	120	0	4: 4768	0	59
5: 4764	1	0	5: 4760	0	0
6: 4746	0	0	6: 4781	0	0
7: 4754	1	0	7: 4720	0	0
8: 4759	1	0	8: 4765	0	0
9: 4761	1	0	9: 4760	0	0
10: 4758	25	0	10: 4832	0	59
11: 4966	193	1	11: 4766	0	0
12: 4769	0	0	12: 4761	0	0
13: 4768	0	0	13: 4781	0	0
14: 4879	0	799	14: 4749	0	0
15: 4768	0	0	15: 4766	0	0
16: 4762	0	0	16: 4752	0	0
17: 4799	0	0	17: 4931	211	0
18: 4762	0	0	18: 4799	0	0
19: 4817	0	0	19: 4736	2	0
20: 4882	1	0	20: 4753	0	0
21: 4765	0	0	21: 4750	0	0
22: 4764	0	0	22: 4747	0	0
23: 4767	0	0	23: 4744	0	0
24: 4762	0	0	24: 4741	0	0
25: 4762	0	0	25: 4742	0	0
26: 4756	1	0	26: 4744	0	0
27: 4758	1	0	27: 4743	0	0
28: 4901	132	0	28: 4746	0	0
29: 4770	1	0	29: 4743	0	0
30: 5693	265	160	30: 0	0	0
31: 4759	0	0	31: 4743	0	0

Legende:
■ vorhanden, aber nicht aktiv
■ Telegrammfehlerhäufigkeit < 1%
■ Telegrammfehlerhäufigkeit 1% ... 5%
■ Telegrammfehlerhäufigkeit > 5%

Telegram analysis including error statistics per device