

Diagnostic Tools

The network analyzer is used to determine the quality of the network. It is indispensable tool for diagnosing problems and troubleshooting the network. Two modes of operation allow you to get online statistics to gauge the health of the network or trace the network to look at individual AS-Interface transactions. Kit includes analyzer, USB to serial adapter, screwdriver and software.

Analyzer Features

- RS-232 connection for PC
- Trigger input, 24V
- Trigger output, TTL level
- Statistical mode for easy health status of network
- Advanced Trace mode for details of traffic analysis

Model	Description
VAZ-ANALYZER ⚡	AS-i network analyzing tool to make sure that network was routed and wired correctly during installation

Analyzer Specifications

OPERATING CURRENT		70 mA
POWER SUPPLY		from AS-i
AS-i CONNECTOR		Terminals
MEMORY		256,000 AS-i telegrams
PROTECTION (IEC)		IP20
TEMPERATURE RANGE	Working	+32 °F to +131 °F (0 °C to +55 °C)
	Storage	-13 °F to +158 °F (-25 °C to +70 °C)



⚡ Stocked item
Consult factory for all other models

There are two modes of operation. The first is online statistics where the overall health of the network is read. The second is trace mode where individual AS-i telegrams are recorded, filtered, and viewed for later analysis. This mode is often used to track down specific input, output or timing problems.

Online Statistics

Advance statistics (check for)

- Little or no missing telegrams
- No slave telegrams without master call

Consecutive errors

- Make sure consecutive errors are kept to a minimum. (6x = configuration error)

Network overview

- Check to make sure all connected nodes are green

I/O data

- Verify that the input and output data is correct
- Find out if a certain input is flickering or turning on for a short time by running a trace on that input

Online Statistics															
Overview Overview Hold Time: 5 s Configuration Advanced Statistics Consecutive Errors															
Single Slaves/Slaves								Slaves							
Master Tel	Missing	Master Tel	Missing	0	1	Master Tel	Missing	Master Tel	Missing	0	1	Master Tel	Missing	Master Tel	Missing
0	16	18940	0	1	17	18939	0	2	18	18939	0	3	19	18939	0
1	17	18939	0	2	18	18939	0	3	19	18939	0	4	20	18939	0
2	18	18939	0	3	19	18939	0	4	20	18939	0	5	21	18939	0
3	19	18939	0	4	20	18939	0	5	21	18939	0	6	22	18939	0
4	20	18939	0	5	21	18939	0	6	22	18939	0	7	23	18939	0
5	21	18939	0	6	22	18939	0	7	23	18939	0	8	24	18939	0
6	22	18939	0	7	23	18939	0	8	24	18939	0	9	25	18939	0
7	23	18939	0	8	24	18939	0	9	25	18939	0	10	26	18939	0
8	24	18939	0	9	25	18939	0	10	26	18939	0	11	27	18939	0
9	25	18939	0	10	26	18939	0	11	27	18939	0	12	28	18940	0
10	26	18939	0	11	27	18939	0	12	28	18940	0	13	29	18940	0
11	27	18939	0	12	28	18940	0	13	29	18940	0	14	30	18940	0
12	28	18940	0	13	29	18940	0	14	30	18940	0	15	31	18940	0
13	29	18940	0	14	30	18940	0	15	31	18940	0				
14	30	18940	0												
15	31	18940	0												

Clear All | Hold | U AS-Interface | 31.0 V | Cycle Time: 2.22 ms
Slave Telegrams without Master Call: 0 | Measuring Time: 00:00:00.47
GO | OK | Cancel | Help