M40113.V01 8 channel measuring unit

Contents: Page

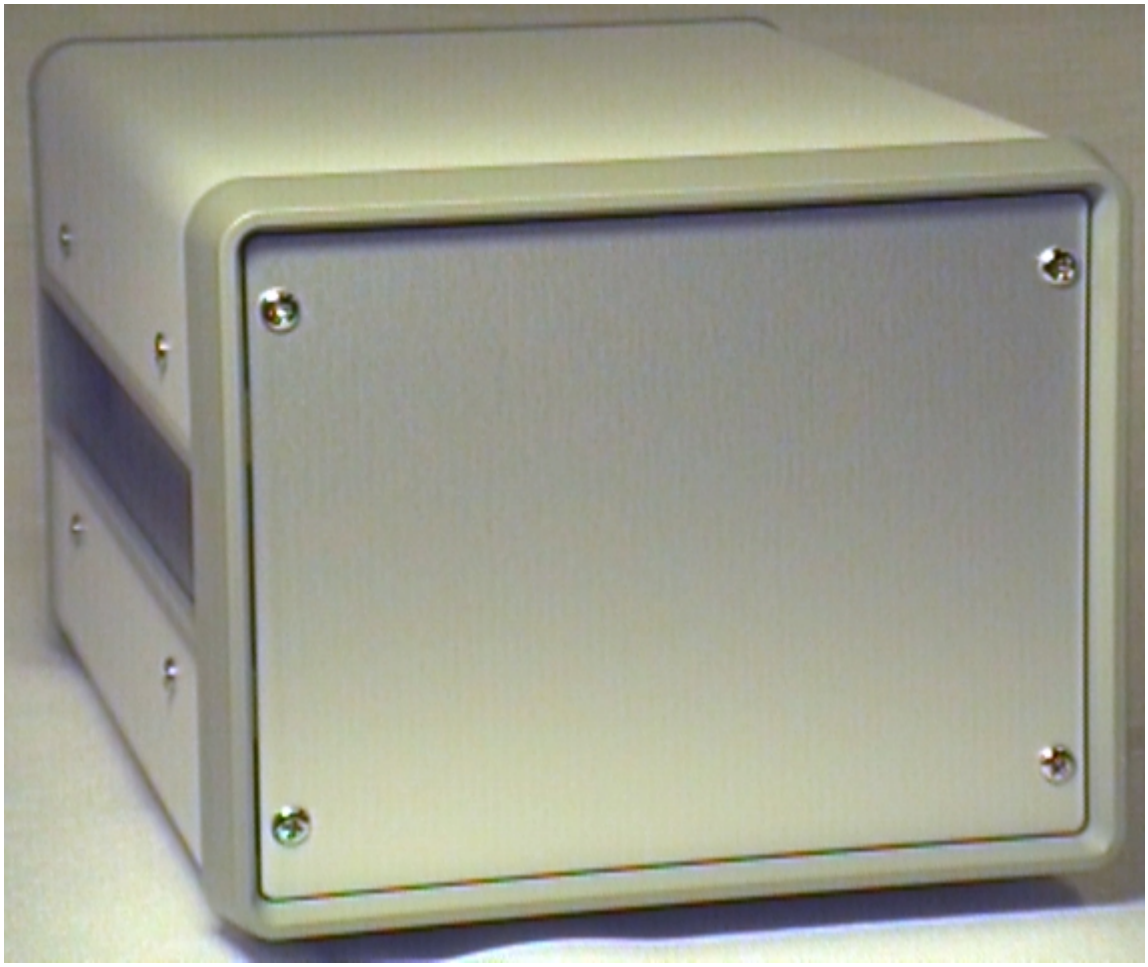
The measuring unit M40113.V01 reads the measuring values from max. 8 inductive tracers Voß QET-4124 (2mm range) or QET-4001 (1mm range) ***. These values may be read out through the profibus interface in binary coding.

*** with software relase 101 and above.

Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de

1. Displays and control elements

front view



Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de

Back view

T1 - T8	Input inductive tracers
X312 -	Profibus interface
X401 -	Input power supply
X402 -	RS 232 interface 9pol. female Sub D Pin3: Output ; Pin7: Signal Ground RS-232: 9600 Baud, 8 Bit, 1 Stopbit, no parity
S1 -	Power supply switch
F1-	Power supply fuse
-12V -	Indicator -12V supply
+12V -	Indicator +12V supply
+ 5V -	Indicator + 5V supply

Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de

2. Technical data
KompaktMeßeinheit A&V 4384 without LCD-Display.
housing 1/3 19", 3HE, 280mm deep.
8x input for inductive tracers +/-2mm QET-4124 oder +/-1mm QET-4001;
Profibus interface.

3. Power Supply
Connect the measuring equipment at X401 via the power cable (europ. Standard) to a power supply of 230 V, 50-60 Hz and turn the power switch S1 at the back into ON position. To aviod influence of temperature the measuring equipment should be turned on ten minutes before the first measurement.

4. PROFIBUS-Interface X312 (s. back view)

9pol. female Sub D

Term.: switchable terminal resistor for the busline

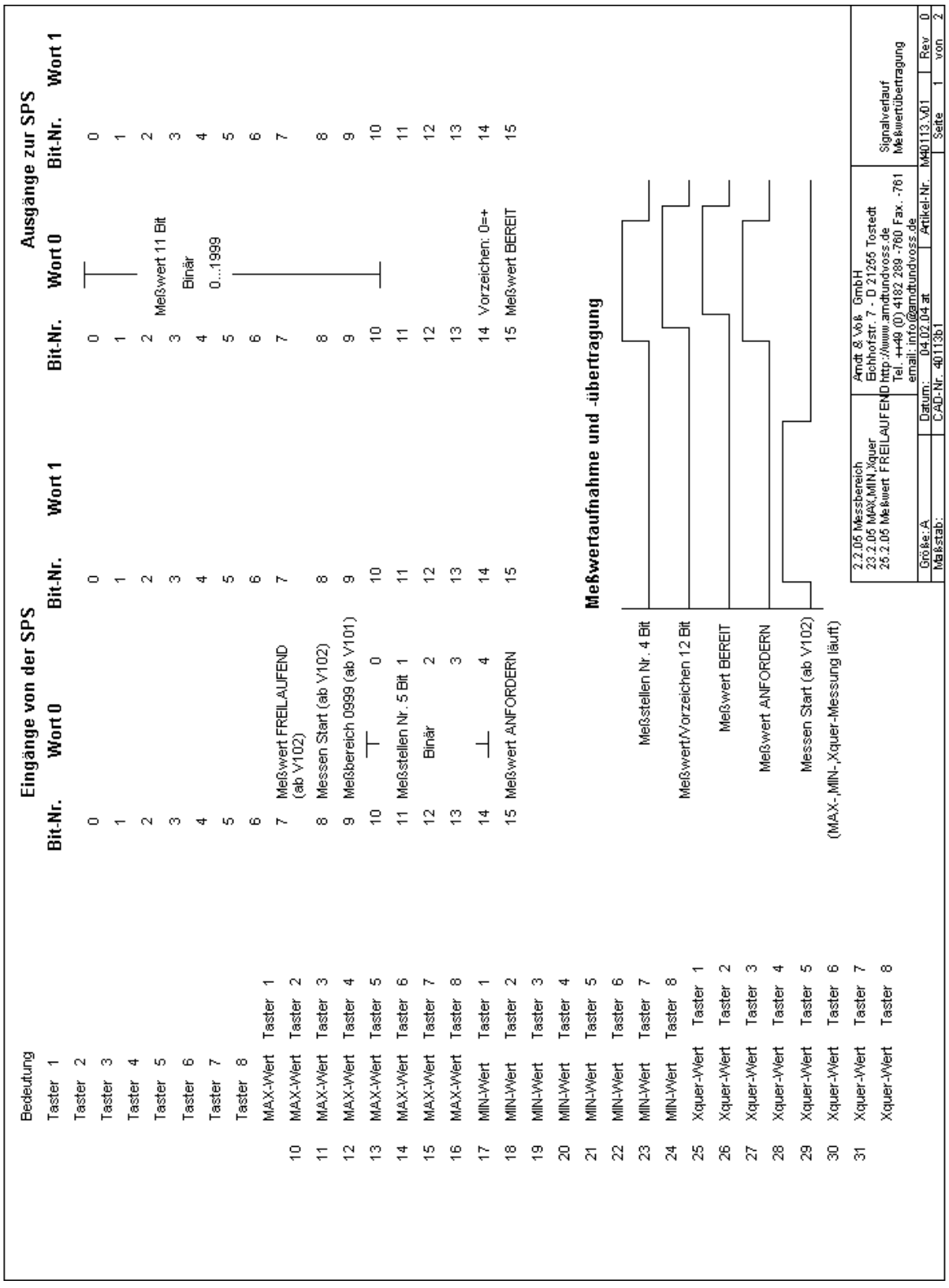
Diag: LED-Status display
Left- Green ON = Unit Ready
Center- Green ON = PROFIBUS Aktive
Right- Red ON = PROFIBUS Passive

Adr.: Adress switch (Range 00-99) hidden elements
x1 = low decimal
x10 = high decimal

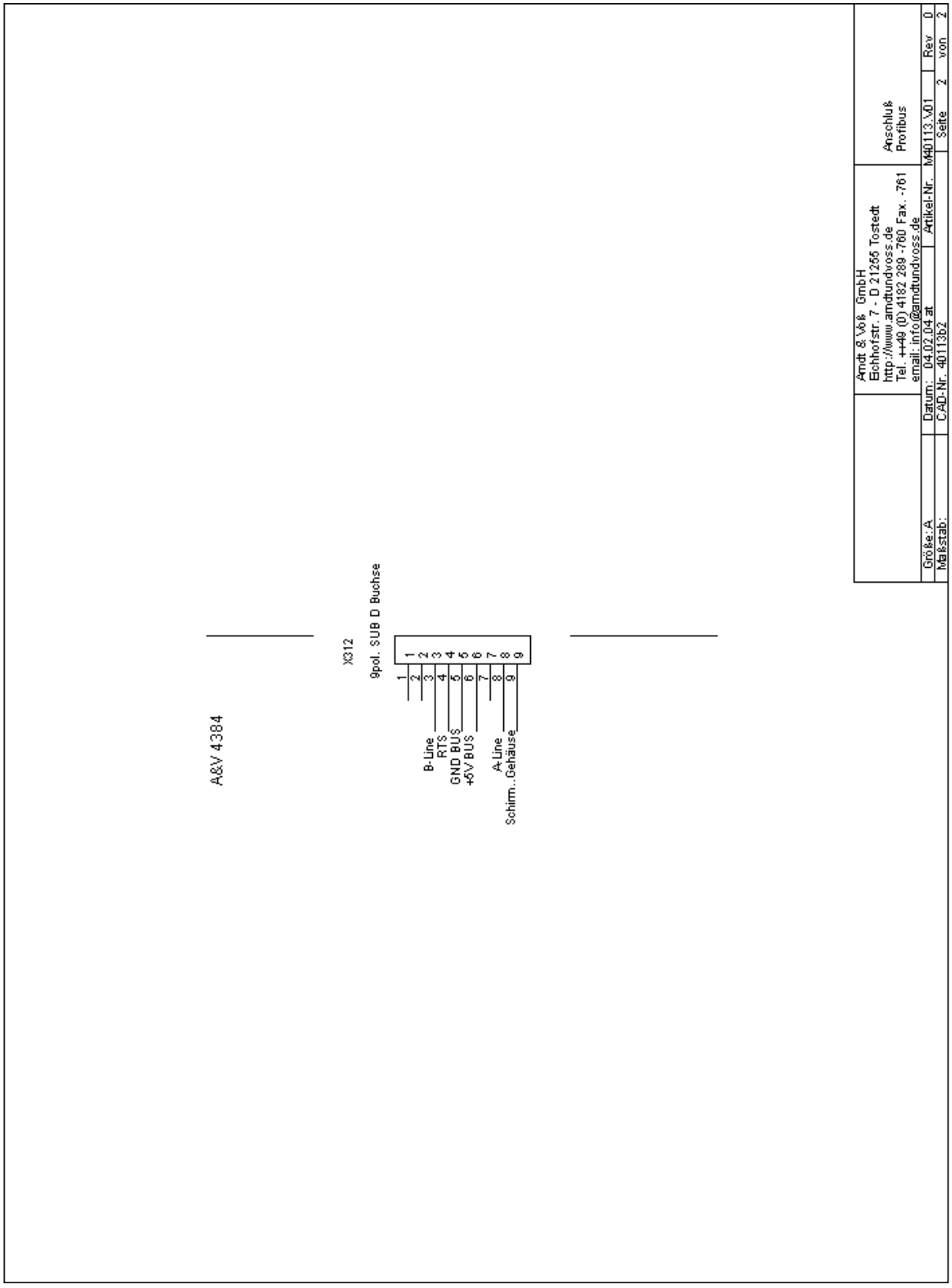
5. Connection schematics
Input measuring amplifier
5pin female, Fabr. Binder Series 680
Supply: 3V, 9,8kHz AC

Pin	description
1	Output Supply A
2	Ground
3	Signal input
4	not used
5	Output Supply B

Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de



Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de



Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de

Security comments according to VDE 0411

General technical

time for warming up	20 minutes
temperature	0...+40 Grd C
atmospheric humidity	on to 75% rel.
frequency	50/60 Hz
power supply voltage	230V +/-10%
security	according to VDE 0411, protection class 1

This unit is built and checked under DIN 57411 part 1/VDE 0411 part 1 and left the factory in a safe and perfect condition. To preserve this condition and to guarantee a safe working the user has to follow the comments and warnings which are given in this instructions.

Before turning on the power you have to make sure, that the voltage of operation and the mains voltage correspond.

The mains plug may only be inserted into a socket with ground contact. The safety effect may not be abolished by an extension lead without ground connection.

The opening of covers or removing of components, except if it is possible to do by hand, might uncover parts or connections under dangerous voltage.

Racks may only be used inside a cover.

If an adjustment, a maintenance or a repair at the opened unit under voltage is unavoidable, it may be done only by a qualified employee, who is well aqainted with the dangers involved.

ATTENTION:

After the end of those works, the unit has to be checked according to VDE 0411, part 1.

You have to make sure, that only fuses of the given type and values are taken for replacement. The use of mended fuses or short-circuiting them is inadmissible.

If it is presumed, that a safe work is not possible, you have to take this unit out of work. A safe work may not be possible, if

- there are visible damages at the unit.
- the unit doesn´t work.
- after longer storage under unfavourable circumstances.
- after heavy stress of transport.

Arndt & Voß GmbH - Eichhofstr. 7 - D 21255 Tostedt
Telefon (49) 4182-289 760 Fax -289 761 email: info@arndtundvoss.de
http://www.arndtundvoss.de