

# **AQX 9 Slot Chassis**

**AQX MAINFRAME Manual**

**Version 002**

---

**BRUKER**

---

The information in this manual may be altered without notice.

BRUKER accepts no responsibility for actions taken as a result of use of this manual. BRUKER accepts no liability for any mistakes contained in the manual, leading to coincidental damage, whether during installation or operation of the instrument. Unauthorised reproduction of manual contents, without written permission from the publishers, or translation into another language, either in full or in part, is forbidden.

This manual was written by

Stephane Kreiss

© February 4, 1997: Bruker Elektronik GmbH

Rheinstetten, Germany

P/N: Z31334  
DWG-Nr: 1043002

# Contents

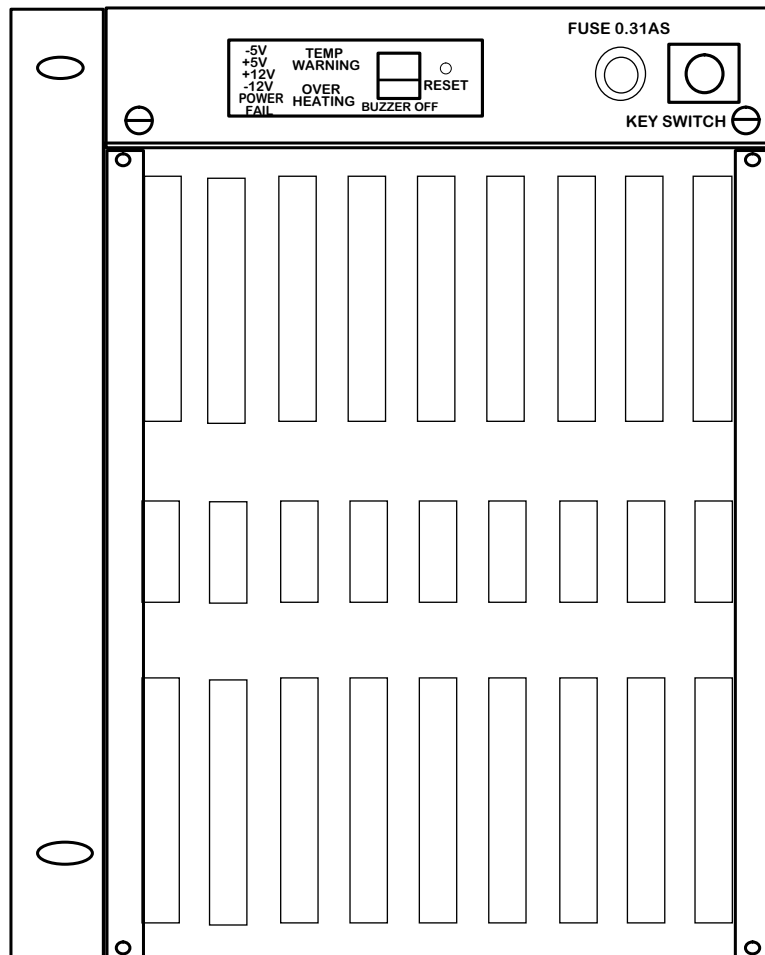
	<b>Contents .....</b>	<b>iii</b>
<b>1</b>	<b>CHASSIS WIRED.....</b>	<b>5</b>
<b>2</b>	<b>Power Supply.....</b>	<b>7</b>
2.1	Technical Data .....	11
2.2	AQX Input Current Computer Boards .....	12
	<b>Figures .....</b>	<b>13</b>
	<b>Tables .....</b>	<b>15</b>



# CHASSIS WIRED

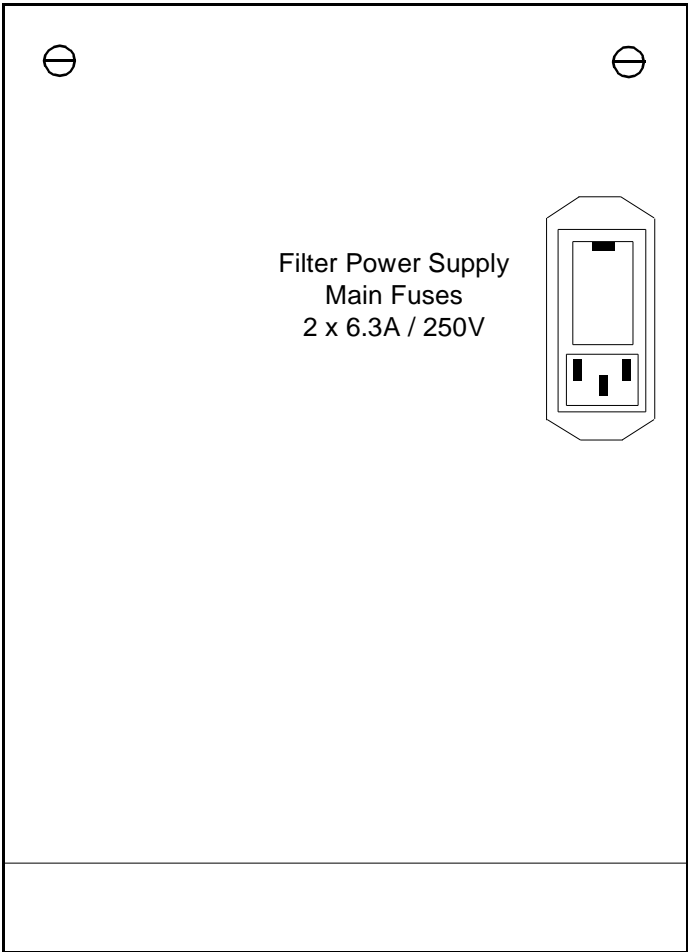
# 1

Figure 1.1. AQX 9 Front View



KST 05.07.95 AQX9SLT2.DS4

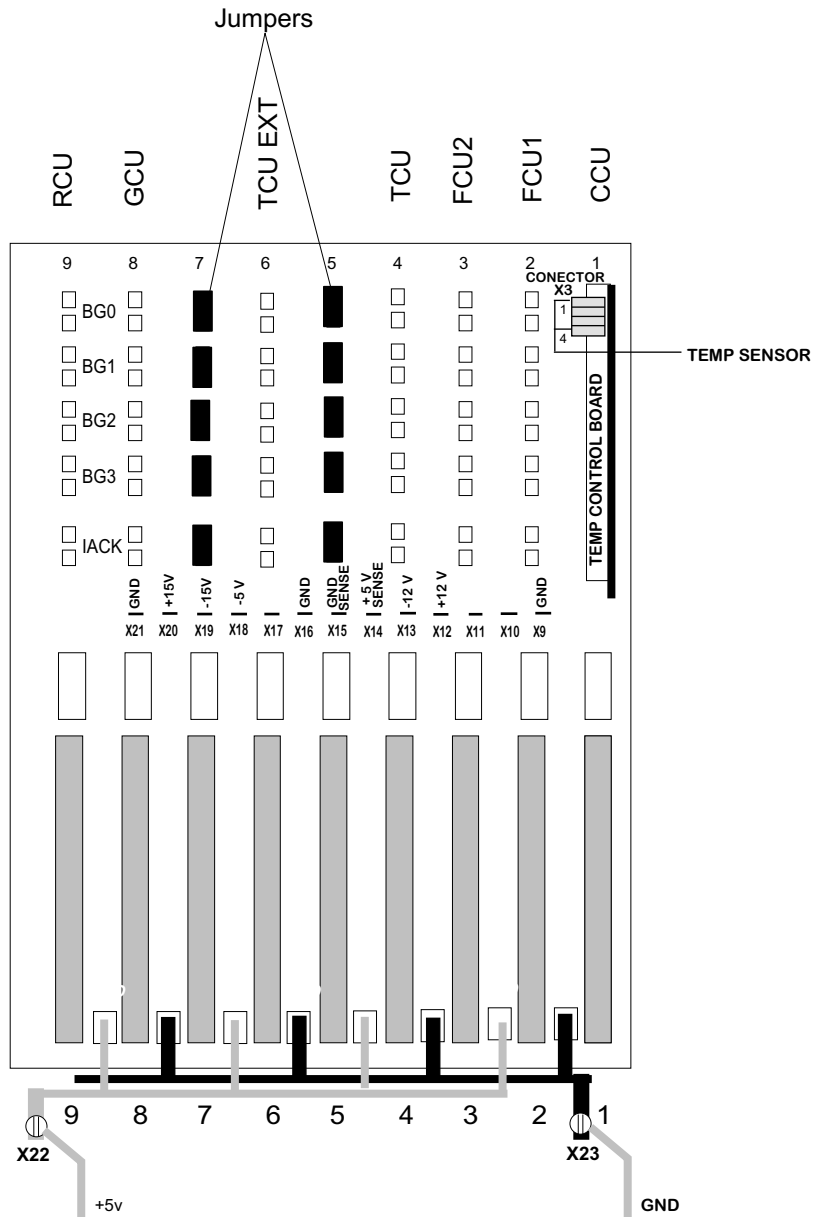
*Figure 1.2. AQX 9 Rear View*



# Power Supply

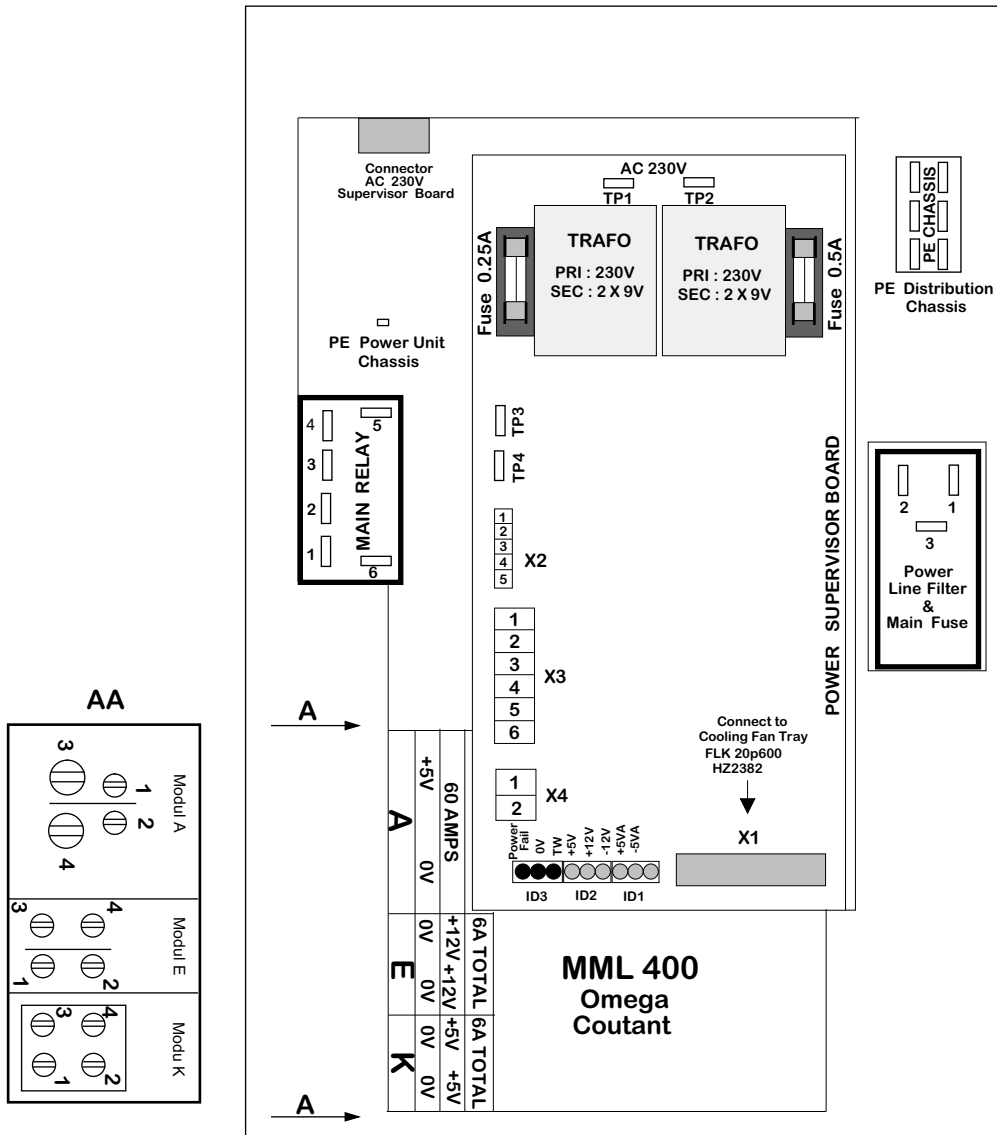
# 2

Figure 2.1. AQX 9 Rear Panel Mother Board



KST 29.06.95 AQX9SLT1.DS4

Figure 2.2. AQX 9 Power Supply

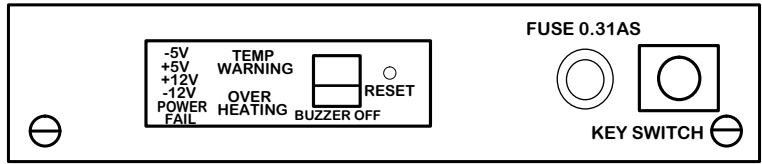


KST 06.07.95 AQX9SLT3.DS4

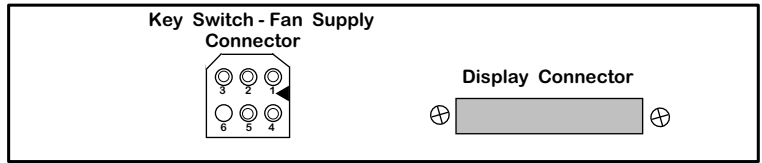


Figure 2.3. AQX 9 Fan Unit

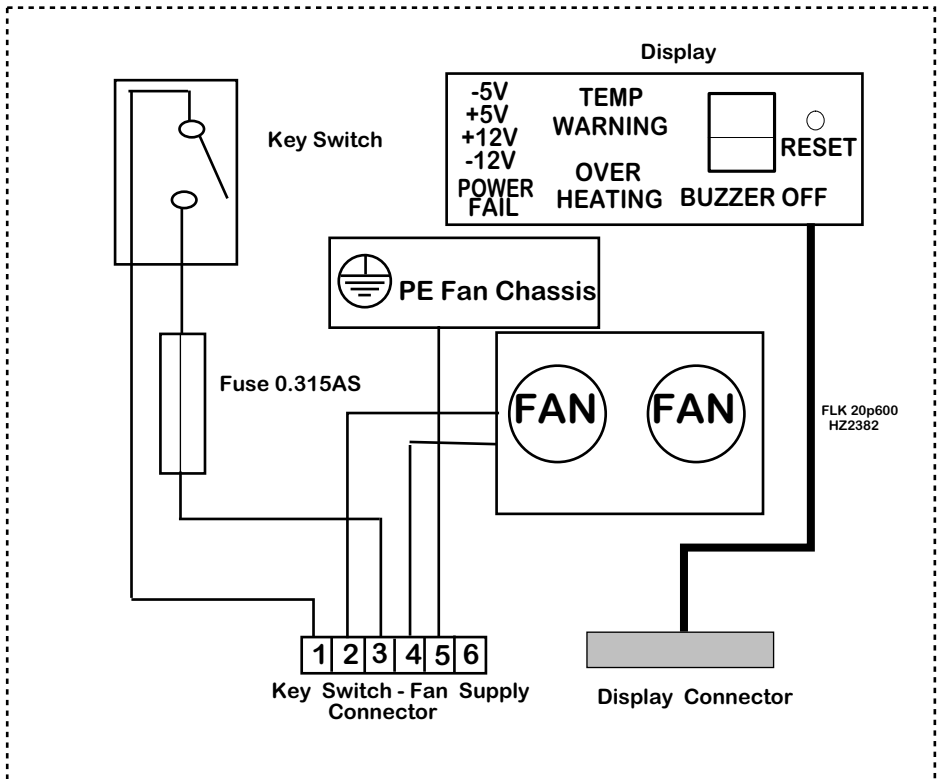
**FRONT VIEW**



**REAR VIEW**



**DIAGRAM**



KST 06.07.95 AQX9SLT4.DS4

Figure 2.4. DC Connection

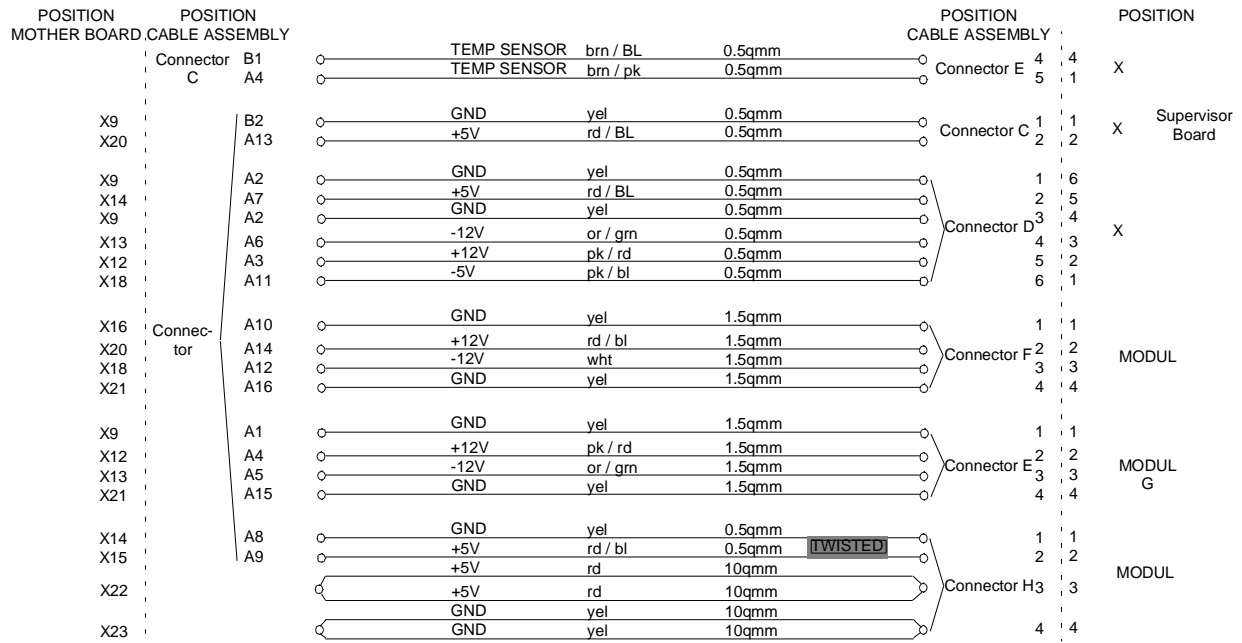
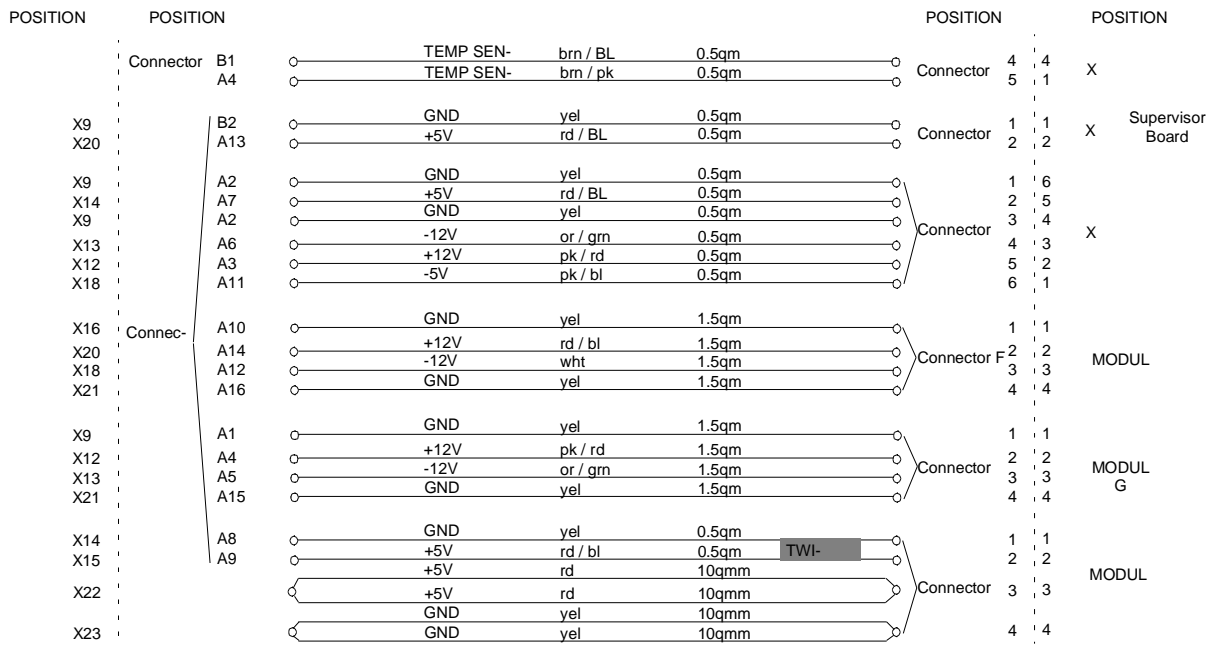


Figure 2.5. AC Connection



**Technical Data****2.1****Power Supply : MML400**

Manufacturer : LAMBDA

Input Voltage 180 - 264 V AC

Configuration : C Module 2 pieces / K Module 1 piece

**A MODULE:** Output Voltage 5V DC / Output Current 60Amps

**EMODULE:** Output Voltage 2x12V DC / Output Current 6Amps

**K MODULE:** Output Voltage 2x5V DC / Output Current 6Amps / Low Ripple Filter

**Relay : JH2A-DC24V**

Manufacturer : MATSUSHITA

Coil : DC 24V

Contacts : AC 250V 20 Amps

**Line Filter : 292-6-05**

Manufacturer : SCHAFFNER

Voltage : 110 / 250V AC

Frequency : 50 - 60 Hz

Current : 6 Amps

**Fan : 4182NGX**

Manufacturer : PAPST

Voltage : 12V DC

Frequency : 0.3 Amps

Power : 3.5W

Table 2.1. Input Current Computer Boards

	+5V Digital	+12V	-12V	+5V Analog	-5V Analog
CCU	7.2A	0.1A	0.1A		
SIO	2.5A	0.5A	0.5A		
FCU	5A	0.2A	0.3A	0.1A	0.4A
TCU Cont.+Ext.	10A				
GCU	7.8A				
RCU	3A	1A			
FADC	1A				
IADC	1.1A				
40MHz Clock Board		0.6A			

# Figures

<b>1</b>	<b>CHASSIS WIRED</b>	<b>5</b>
Figure 1.1.	AQX 9 Front View .....	5
Figure 1.2.	AQX 9 Rear View .....	6
<b>2</b>	<b>Power Supply</b>	<b>7</b>
Figure 2.1.	AQX 9 Rear Panel Mother Board .....	7
Figure 2.2.	AQX 9 Power Supply .....	8
Figure 2.3.	AQX 9 Fan Unit .....	9
Figure 2.4.	DC Connection .....	10
Figure 2.5.	AC Connection .....	10



# Tables

<b>1</b>	<b>CHASSIS WIRED</b>	<b>5</b>
<b>2</b>	<b>Power Supply</b>	<b>7</b>
Table 2.1.	Input rrent Computer Boardts .....	12





