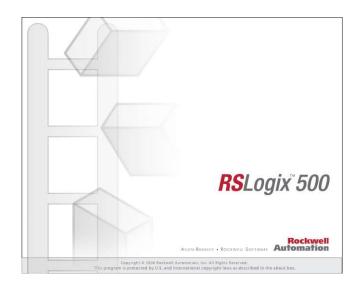
RSLogix Micro Project Report



SAUERSTOFF-MESS- UND KALIBRIERSYSTEM.RSS

Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 234 Instruction Words Used - 70 Data Table Words Used

Total Memory Left: 6422 Instruction Words Left

Program Files: 5

Data Files: 9

Program ID: 2104

I/O Configuration

0	Bul.1763	MicroLogix 1100 Series B
1		
2		
3		
4		

Channel Configuration

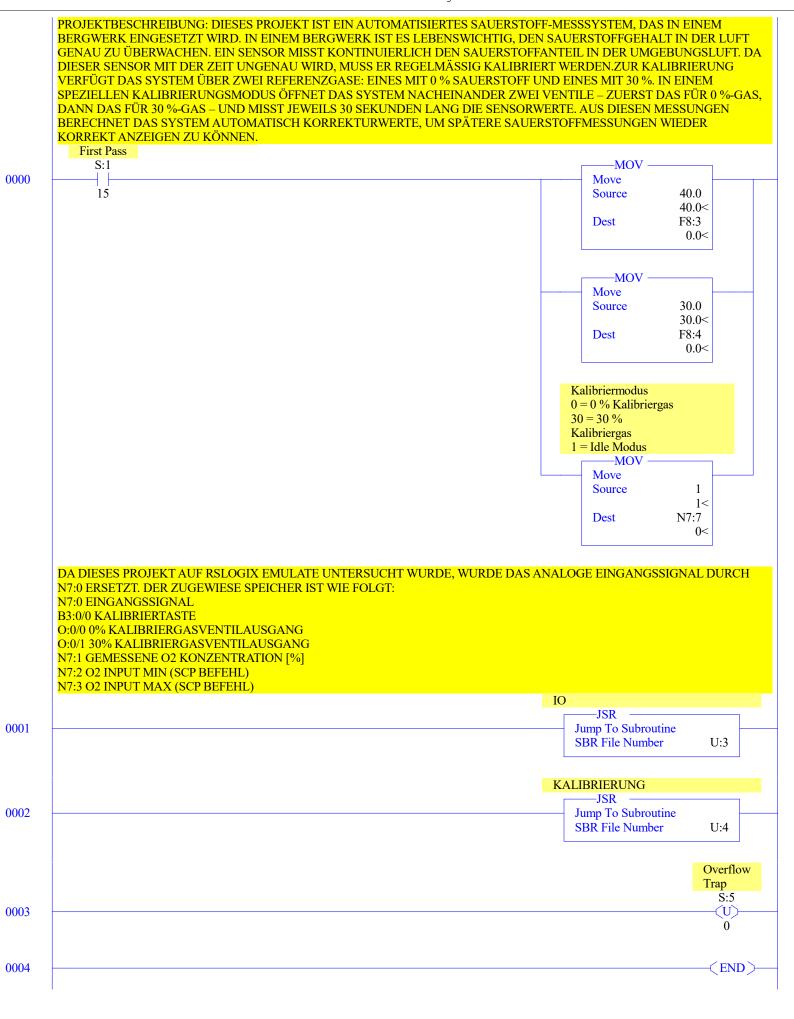
```
CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout:
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID: 1
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected: No
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection: Yes
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection:
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character: \d
  CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character: \a
  Source ID: 1 (decimal)
  Baud: 19200
  Parity: NONE
  Control Line : No Handshaking
  Error Detection: CRC
  Embedded Responses: Auto Detect
  Duplicate Packet Detect:
  ACK Timeout(x20 ms): 50
  NAK Retries: 3
  ENQ Retries: 3
CHANNEL 1 (SYSTEM) - Driver: Ethernet
  CHANNEL 1 (SYSTEM) - Driver: Ethernet Edit Resource/Owner Timeout: 60
  CHANNEL 1 (SYSTEM) - Driver: Ethernet Passthru Link ID: 1
  CHANNEL 1 (SYSTEM) - Driver: Ethernet Write Protected: No
  CHANNEL 1 (SYSTEM) - Driver: Ethernet Comms Servicing Selection: Yes
  CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection: Yes
  Hardware Address: 00:00:00:00:00:00
  IP Address: 0.0.0.0
  Subnet Mask: 0.0.0.0
  Gateway Address: 0.0.0.0
  Msg Connection Timeout (x 1mS):
  Msg Reply Timeout (x mS): 3000
  Inactivity Timeout (x Min): 30
  Bootp Enable: Yes
  Dhcp Enable No
  SNMP Enable: No
  HTTP Enable: Yes
  Auto Negotiate Enable: Yes
  Port Speed Enable: 10/100 Mbps Full Duplex/Half Duplex
  Contact:
  Location:
```

Program File List

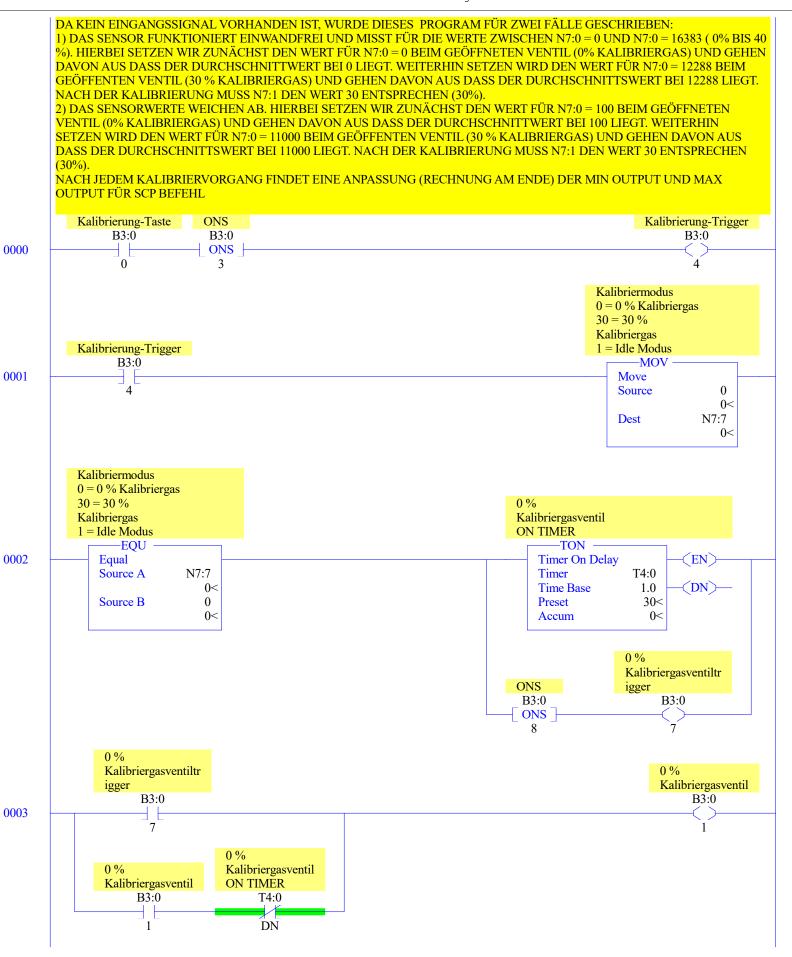
Name	Number	Туре	Rungs	Debug	Bytes
[SYSTEM]	0	SYS	0	No	0
	1	SYS	0	No	0
MAIN	2	LADDER	5	No	86
IO	3	LADDER	4	No	74
KALIBRIERU	4	LADDER	15	No	655

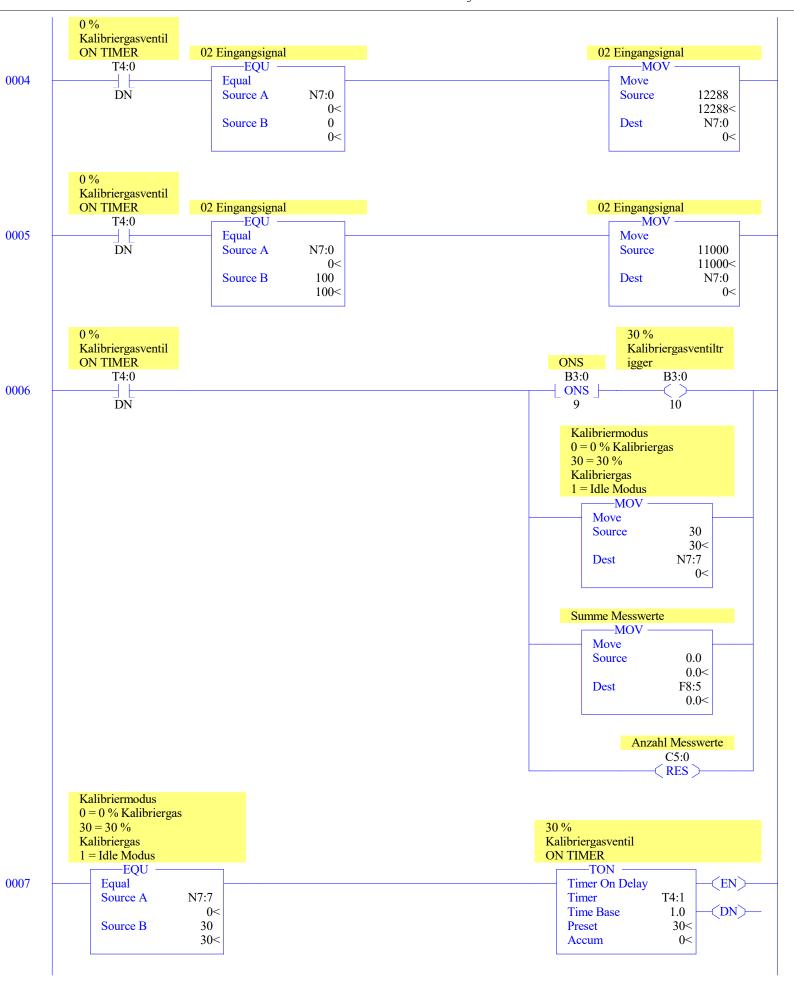
Data File List

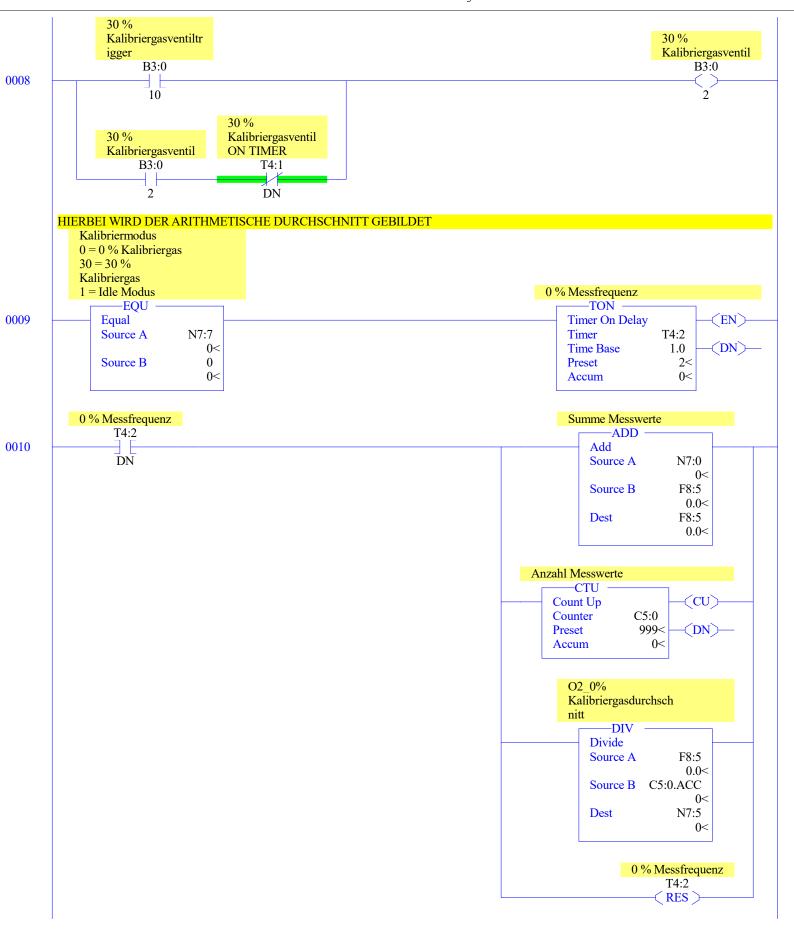
Name	Number	Type	Scope	Debug	Words	Elements	Last
OUTPUT	0	0	Global	No	12		O:3
INPUT	1	I	Global	No No	18	4 6	U:5
STATUS	2	S	Global	No	0	66	S:65
BINARY	3	В	Global	No	1	1	B3:0
TIMER	4	T	Global	No	12	4	T4:3
COUNTER	5	C	Global	No	3	1	C5:0
CONTROL	6	R	Global	No	3	1	R6:0
INTEGER	7	N	Global	No	9	9	N7:8
FLOAT	8	F	Global	No	12	6	F8:5

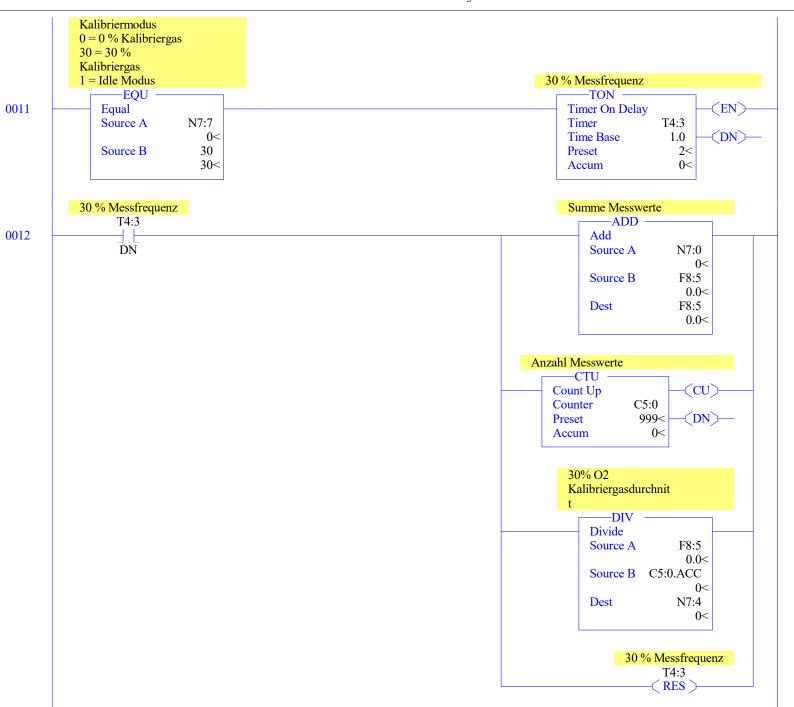


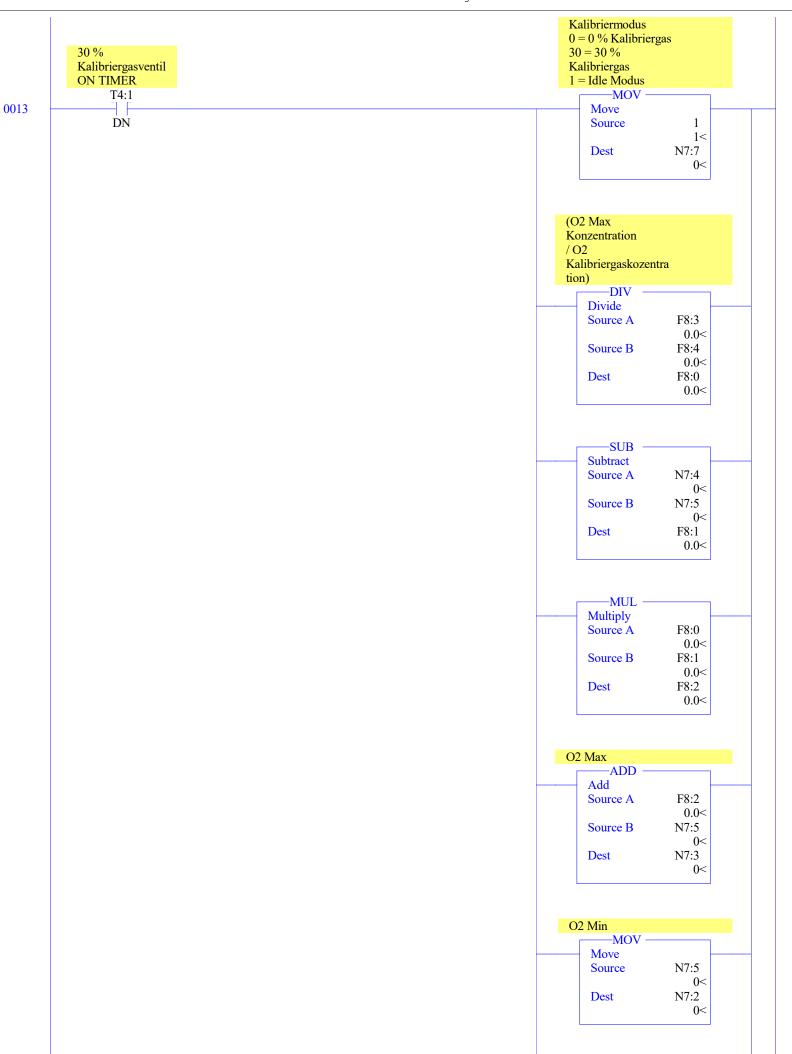












LAD 4 - KALIBRIERU --- Total Rungs in File = 15



Data File OO (bin) -- OUTPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
0:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B
0:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix 1100 Series B

Data File I1 (bin) -- INPUT

Offset	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0					
I:0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series	В
I:0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series	В
I:0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series	В
I:0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series	В
I:0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series	B-Analo
I:0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Bul.1763	MicroLogix	1100	Series	B-Analo

```
Main
```

```
Processor Mode S:1/0 - S:1/4 = Remote Program Mode On Power up Go To Run (Mode Behavior) S:1/12 = 0 First Pass S:1/15 = No Free Running Clock S:4 = 0000-0000-0000-0000
```

Proc

```
OS Catalog Number S:57 = 1100

OS Series S:58 = A

OS FRS S:59 =

Processor Catalog Number S:60 =

Processor Series S:61 = A

Processor FRN S:62 =

User Program Type S:63 = 8001h

Compiler Revision Number S:64 =

Compiler Revision Number S:64 =

Processor Series S:61 = A
```

Scan Times

```
Maximum (x10 ms) S:22 = 0
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 0
Scan Toggle Bit S:33/9 = 0
```

Math

```
Math Overflow Selected S:2/14 = 0 Math Register (lo word) S:13 = 0 Overflow Trap S:5/0 = 0 Math Register (high word) S:14-S:13 = 0 Carry S:0/0 = 0 Math Register (32 Bit) S:14-S:13 = 0 Overflow S:0/1 = 0 Zero Bit S:0/2 = 0 Sign Bit S:0/3 = 0
```

Chan 0

```
Processor Mode S:1/0- S:1/4 = Remote Program Mode

Node Address S:15 (low byte) = 0 Outgoing Msg Cmd Pending S:33/2 = 0

Baud Rate S:15 (high byte) = ?

Channel Mode S:33/3 = 0

Comms Active S:33/4 = 0

Incoming Cmd Pending S:33/0 = 0

Msg Reply Pending S:33/1 = 0
```

Debug

```
Suspend Code S:7 = 0
Suspend File S:8 = 0
```

Errors

```
Fault Override At Power Up S:1/8 = 0 Fault Routine S:29 = 0 Startup Protection Fault S:1/9 = 0 Major Error S:6 = 0h Major Error Halt S:1/13 = 0 Error Description: Control Register Error S:5/2 = 0 Error Description: Major Error Executing User Fault Rtn. S:5/3 = 0 Battery Low S:5/11 = 0 Input Filter Selection Modified S:5/13 = 0 ASCII String Manipulation error S:5/15 = 0
```

Protection

```
Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False
```

Mem Module

```
Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0
Data File Overwrite Protection Lost S:36/10 = 0
```

Forces

```
Forces Enabled S:1/5 = Yes
Forces Installed S:1/6 = No
```

Data File B3 (bin) -- BINARY

Offset 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 (Symbol) Description

B3:0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Data File T4 -- TIMER

Offset	EN	ΤT	DN	BASE	PRE	ACC	(Symbol) Description
T4:0	0	0	0	1.0 sec	30	0	0 % Kalibriergasventil ON TIMER
T4:1	0	0	0	1.0 sec	30	0	30 % Kalibriergasventil ON TIMER
T4:2	0	0	0	1.0 sec	2	0	0 % Messfrequenz
T4:3	0	0	0	1.0 sec	2	0	30 % Messfrequenz

Data File C5 -- COUNTER

Offset CU CD DN OV UN UA PRE ACC (Symbol) Description
C5:0 0 0 0 0 0 999 0 Anzahl Messwerte

Data File R6 -- CONTROL

Offset EN EU DN EM ER UL IN FD LEN POS (Symbol) Description R6:0 0 0 0 0 0 0 0 0 0

SAUERSTOFF-MESS- UND KALIBRIERSYSTEM.RSS

Data File N7 (dec) -- INTEGER

Offset	0	1	2	3	4	5	6	7	8	9
N7:0	0	0	0	0	0	0	0	0	0	

Data File F8 -- FLOAT

Offset	0	1	2	3	4
F8:0 F8:5	0	0	0	0	0

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group
B3:0/0 B3:0/1			<pre>Kalibrierung-Taste 0 % Kalibriergasventil</pre>	
B3:0/2			30 % Kalibriergasventil	
B3:0/3 B3:0/4			ONS Kalibrierung-Trigger	
B3:0/5 B3:0/6			Kalibrierung Kalibrierung- Interrupt	
B3:0/7			0 % Kalibriergasventiltr igger	
B3:0/8 B3:0/9			ONS ONS	
B3:0/10 B3:0/11			30 % Kalibriergasventiltr igger ONS	
B3:0/12			ONS	
C5:0 C5:0.ACC			Anzahl Messwerte	
F8:0 F8:5			(02 Max Konzentration / 02 Kalibriergaskozentra tion) Summe Messwerte	
N7:0			02 Eingangsignal	
N7:1 N7:2			gemessene 02 Konzentration 02 Min	
N7:3 N7:4			02 Max 30% 02 Kalibriergasdurchnit t	
N7:5 N7:6			02_0% Kalibriergasdurchsch nitt Input Max	
N7:7			Kalibriermodus 0 = 0 % Kalibriergas 30 = 30 % Kalibriergas 1 = Idle Modus	
N7:8 O:0/0			Summe Messwerte 0 % Kalibriergasventilau sgang	
0:0/1 S:0			30 % Kalibriergasventilau sgang Arithmetic Flags	
S:0/0			Processor Arithmetic Carry Flag	
S:0/1 S:0/2			Processor Arithmetic Underflow/ Overflow Flag Processor Arithmetic Zero Flag	
S:0/3 S:1			Processor Arithmetic Sign Flag Processor Mode Status/ Control	
S:1/0 S:1/1			Processor Mode Bit 0 Processor Mode Bit 1	
S:1/2			Processor Mode Bit 2	
S:1/3 S:1/4			Processor Mode Bit 3 Processor Mode Bit 4	
S:1/5 S:1/6			Forces Enabled Forces Present	
S:1/7			Comms Active	
S:1/8 S:1/9			Fault Override at Powerup Startup Protection Fault	
S:1/10 S:1/11			Load Memory Module on Memory Error Load Memory Module Always	
S:1/12 S:1/13			Load Memory Module and RUN Major Error Halted	
S:1/14			Access Denied	
S:1/15 S:2/0			First Pass STI Pending	
S:2/1 S:2/2			STI Enabled STI Executing	
S:2/3			Index Addressing File Range	
S:2/4 S:2/5			Saved with Debug Single Step DH-485 Incoming Command Pending	
S:2/6 S:2/7			DH-485 Message Reply Pending DH-485 Outgoing Message Command Pending	
S:2/15 S:3			Comms Servicing Selection Current Scan Time/ Watchdog Scan Time	
S:4			Time Base	
S:5/0 S:5/2			Overflow Trap Control Register Error	
S:5/3 S:5/4			Major Err Detected Executing UserFault Routine M0-M1 Referenced on Disabled Slot	
S:5/8 S:5/9			Memory Module Boot Memory Module Password Mismatch	
S:5/10			STI Overflow	
S:5/11 S:6			Battery Low Major Error Fault Code	
S:7 S:8			Suspend Code Suspend File	
S:9			Active Nodes	
S:10 S:11			Active Nodes I/O Slot Enables	
S:12 S:13			I/O Slot Enables Math Register	
S:14 S:15			Math Register Node Address/ Baud Rate	
S:16			Debug Single Step Rung	
S:17 S:18			Debug Single Step File Debug Single Step Breakpoint Rung	
S:19 S:20			Debug Single Step Breakpoint File Debug Fault/ Powerdown Rung	
S:21 S:22			Debug Fault/ Powerdown File	
S:23			Maximum Observed Scan Time Average Scan Time	
S:24 S:25			Index Register I/O Interrupt Pending	
S:26			I/O Interrupt Pending	

Address/Symbol Database

Address	Symbol	Scope	Description	Sym Group
S:27 S:28			I/O Interrupt Enabled I/O Interrupt Enabled	
S:29			User Fault Routine File Number	
S:30 S:31			STI Setpoint STI File Number	
S:32			I/O Interrupt Executing	
S:33			Extended Proc Status Control Word	
S:33/0 S:33/1			Incoming Command Pending Message Reply Pending	
S:33/2			Outgoing Message Command Pending	
S:33/3 S:33/4			Selection Status User/DF1 Communicat Active	
S:33/5			Communicat Servicing Selection	
S:33/6 S:33/7			Message Servicing Selection Channel 0 Message Servicing Selection Channel 1	
S:33/8			Interrupt Latency Control Flag	
S:33/9 S:33/10			Scan Toggle Flag Discrete Input Interrupt Reconfigur Flag	
S:33/11 S:33/12			Online Edit Status Online Edit Status	
S:33/13			Scan Time Timebase Selection	
S:33/14 S:33/15			DTR Control Bit DTR Force Bit	
S:34			Pass-thru Disabled	
S:34/0 S:34/1			Pass-Thru Disabled Flag	
S:34/2			DH+ Active Node Table Enable Flag Floating Point Math Flag Disable,Fl	
S:35 S:36			Last 1 ms Scan Time Extended Minor Error Bits	
S:36/8			DII Lost	
S:36/9 S:36/10			STI Lost Memory Module Data File Overwrite Protection	
S:37			Clock Calendar Year	
S:38 S:39			Clock Calendar Month Clock Calendar Day	
S:40			Clock Calendar Hours	
S:41 S:42			Clock Calendar Minutes Clock Calendar Seconds	
S:43			STI Interrupt Time	
S:44 S:45			I/O Event Interrupt Time DII Interrupt Time	
S:46			Discrete Input Interrupt- File Number	
S:47 S:48			Discrete Input Interrupt- Slot Number Discrete Input Interrupt- Bit Mask	
S:49			Discrete Input Interrupt- Compare Value	
S:50 S:51			Processor Catalog Number Discrete Input Interrupt- Return Number	
S:52			Discrete Input Interrupt- Accumulat	
S:53 S:55			Reserved/ Clock Calendar Day of the Week Last DII Scan Time	
S:56			Maximum Observed DII Scan Time	
S:57 S:58			Operating System Catalog Number Operating System Series	
S:59			Operating System FRN	
S:61 S:62			Processor Series Processor Revision	
S:63			User Program Type	
S:64 S:65			User Program Functional Index User RAM Size	
S:66 S:67			Flash EEPROM Size Channel 0 Active Nodes	
S:68			Channel O Active Nodes	
S:69 S:70			Channel 0 Active Nodes Channel 0 Active Nodes	
S:71			Channel O Active Nodes	
S:72 S:73			Channel 0 Active Nodes Channel 0 Active Nodes	
S:74			Channel O Active Nodes	
S:75 S:76			Channel 0 Active Nodes Channel 0 Active Nodes	
S:77			Channel O Active Nodes	
S:78 S:79			Channel 0 Active Nodes Channel 0 Active Nodes	
S:80			Channel O Active Nodes	
S:81 S:82			Channel 0 Active Nodes Channel 0 Active Nodes	
S:83			DH+ Active Nodes	
S:84 S:85			DH+ Active Nodes DH+ Active Nodes	
S:86			DH+ Active Nodes	
T4:0 T4:0/EN			0 % Kalibriergasventil ON TIMER	
T4:1			30 % Kalibriergasventil ON TIMER	
T4:1/DN T4:2			0 % Messfrequenz	
T4:2/DN				
T4:3 U:3			30 % Messfrequenz IO	
U:4 U:5			KALIBRIERUNG	
J.J			Kalibrierungsrechnun g	

Instruction Comment Database

Address Instruction Description

Symbol Group Database

Group_Name Description