

SWG 100 BIOGAS

LANDFILL & BIOGAS ANALYSIS

I/O Module setup



since 1984®

AIRfair

EMISSION MONITORING SYSTEMS

Over 30 years of innovative gas analysis!

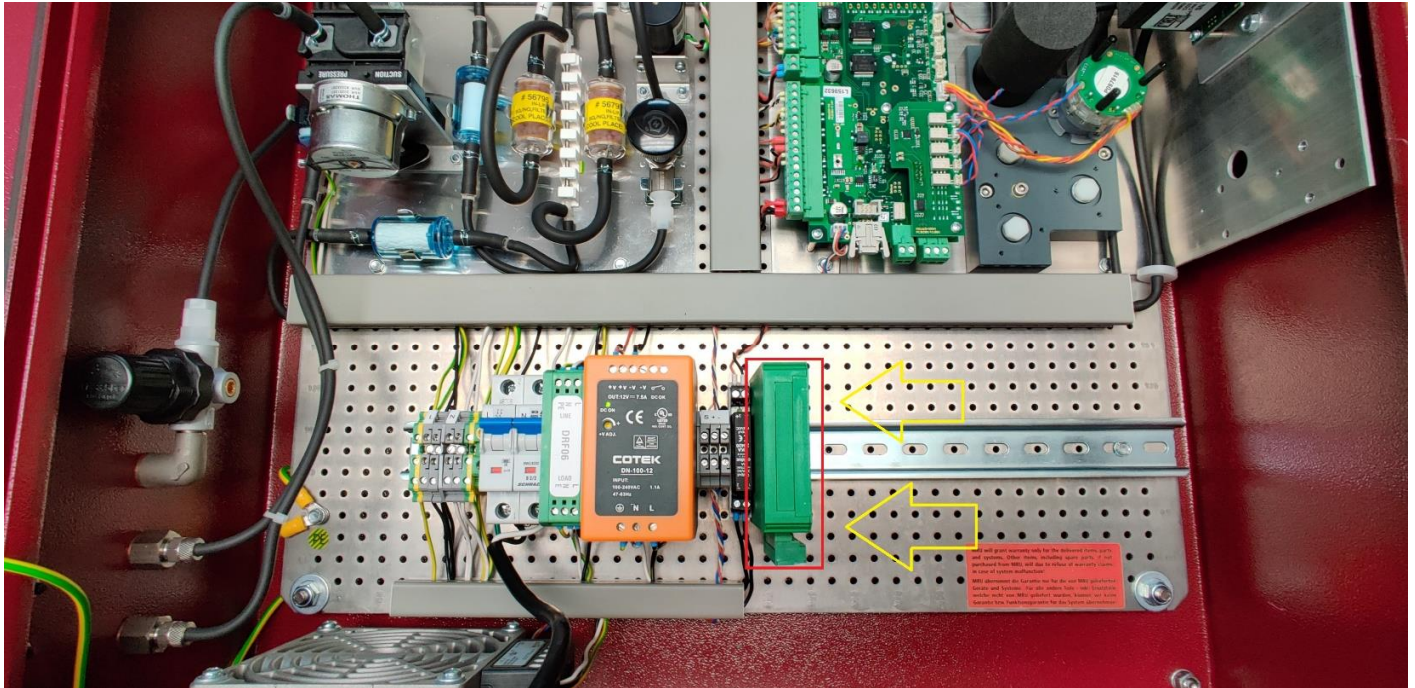
- Easy installation & start-up
- Best in Class Accuracy
- Plug-n-play sensors for simple serviceability
- Designed with safety in mind

SWG 100 BIOGAS

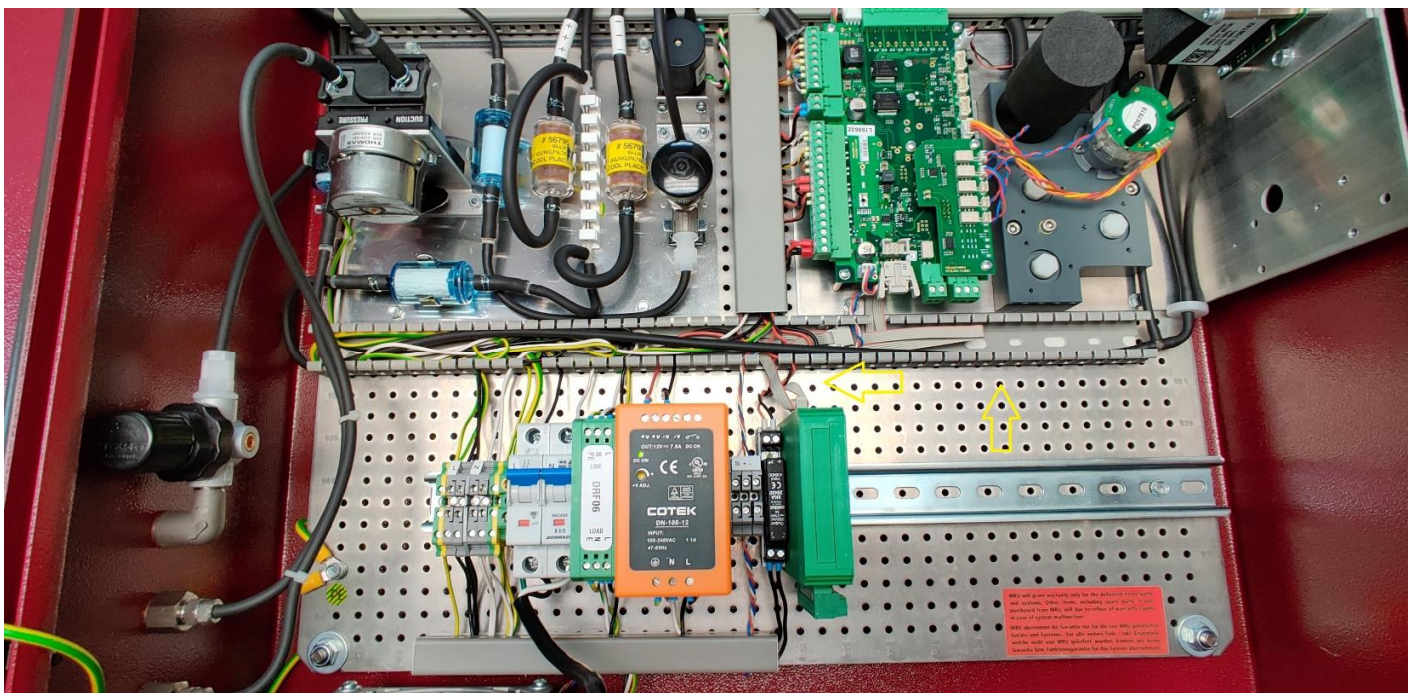
I/O Module



Sut down the Analyzer then put the I / O module on the rail



Open the Kabel Canal and connect the 6 Pole cable that is inside to the I/O Module

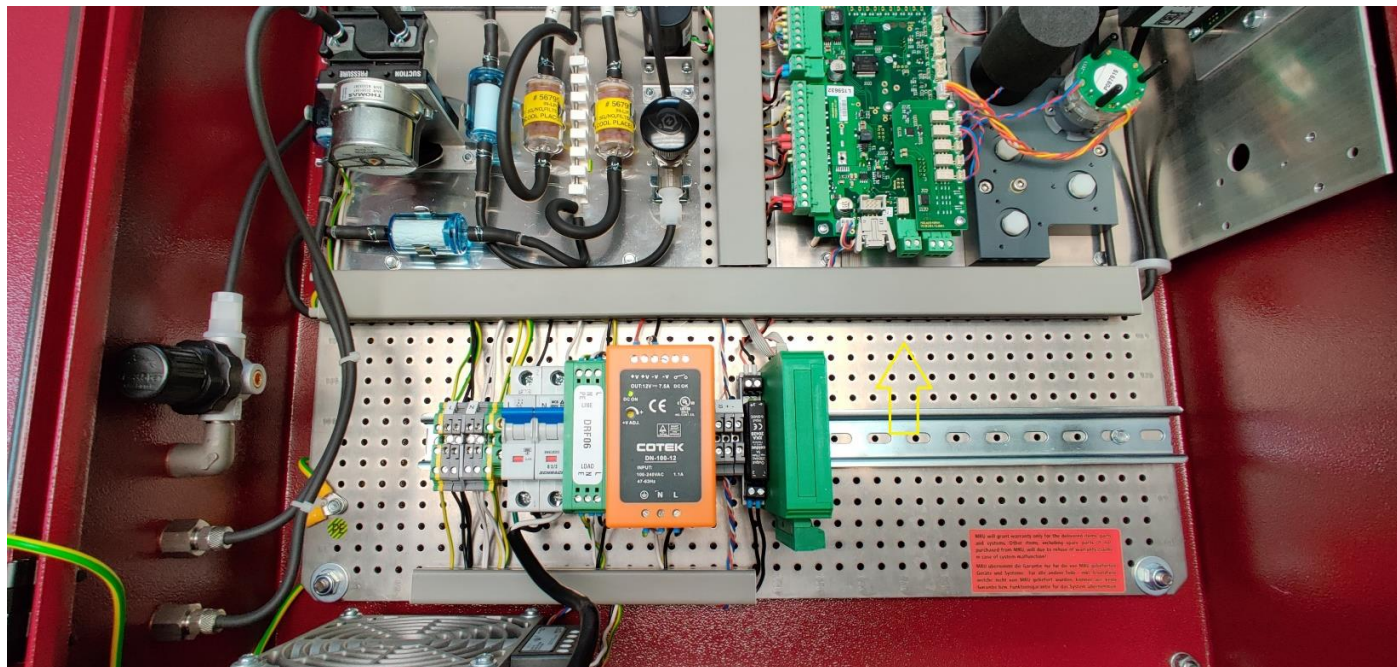


SWG 100 BIOGAS

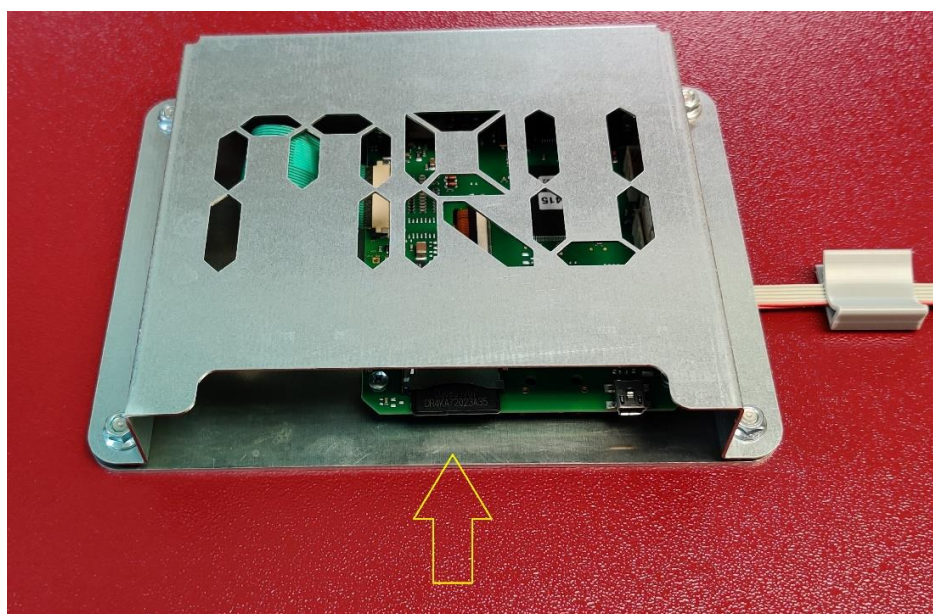
I/O Module



Close the Cabal Canal



Take the SD Card out of the Unit and put the Option.DAT file that is attached to this Email on the SD card.



SWG 100 BIOGAS

I/O Module



Start the Analyzer and click on F3 (extras). Now go to the “**Device info**” and click on “**Details**”.

Now insert the SD card.

Mainboard	OK
NDIR bench	OK
I/O module 1	Offline
T-sensor 74.5°F	OK
T-gascooler 41.0°F	OK

Self test - MRU SWG100 BioGas

O2	21.00	
[%]		
CO2	0.06	
[%]		
CH4	0.00	
[%]		
H2S	0	
[ppm]		
T-sensor	74.5	
[°F]		
Sample flow	50.1	
[l/h]		
change phase	storage	extras
Gas sampling	1:19	

General settings
Measurement configuration
Measurement cycle config.
Adjustment menu
Default settings
Contents SD card
Event viewer
Device info
Extras menu

Press “F3” (extras) and go to “**Device info**”

MRU SWG100 BioGas		
Firmware version	1.21.30	
Meas kernel version	1.03	
Change IO-mod. device ID		
Device details (F2)		
Extras menu (Esc)		
Operating hours	61.3	
Adjustment date	04/16/2020	
SD avail. place [MB]	7773.1	
sub-syst.	details	sub-syst.
Main-device info		

Press the “**context menu**” Button and select “**Change IO-mod. Device ID**”

And follow the instructions on the display

MRU SWG100 BioGas

Firmware version 1.21.30

Meas kernel version 1.03

Bootloader version V1.00.04

Serial number 081047

Manuf. date 03/15/2019

Operating hours 61.5

Adjustment date 04/16/2020

SD avail. place [MB] 7773.5

sub-syst.	details	sub-syst.
Main-device info		

After all instructions on the Screen, you will see that window.

Device	I/O module 7	
Connection state	Online	
Device ID	37	
Comm. interval [ms]	788.2	
Counter frames OK	19	
Counter frame errors	0	
Counter time-outs	0	
previous	details	next
Sub-systems info		RESET!

Press to the “**right**” as soon as you come to an I / O module that shows values in these fields. In this case it is I/O module 7

SWG 100 BIOGAS

I/O Module



Device	I/O module 7
Connection state	Online
Device ID	37
Change IO-mod. device ID	
Reset all counters	
Extras menu (Esc)	
Device details (F2)	
Sub-systems info	

Press the “context menu” button and select “Change IO-mod. Device ID”

Current device ID	37
New device ID	30
Change IO-mod. device ID	RESET!

Click “right” or “left” as soon as you find the “Device ID 30” and press “F3” (accept). Follow the instructions on the screen

Mainboard	OK
NDIR bench	OK
I/O module 1	OK
T-sensor 75.0°F	OK
T-gascooler 41.0°F	OK
Self test - MRU SWG100 BioGas	

After the Analyzer restarted, you should have now an OK behind the I/O module 1