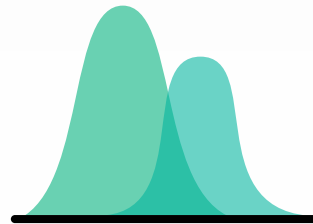
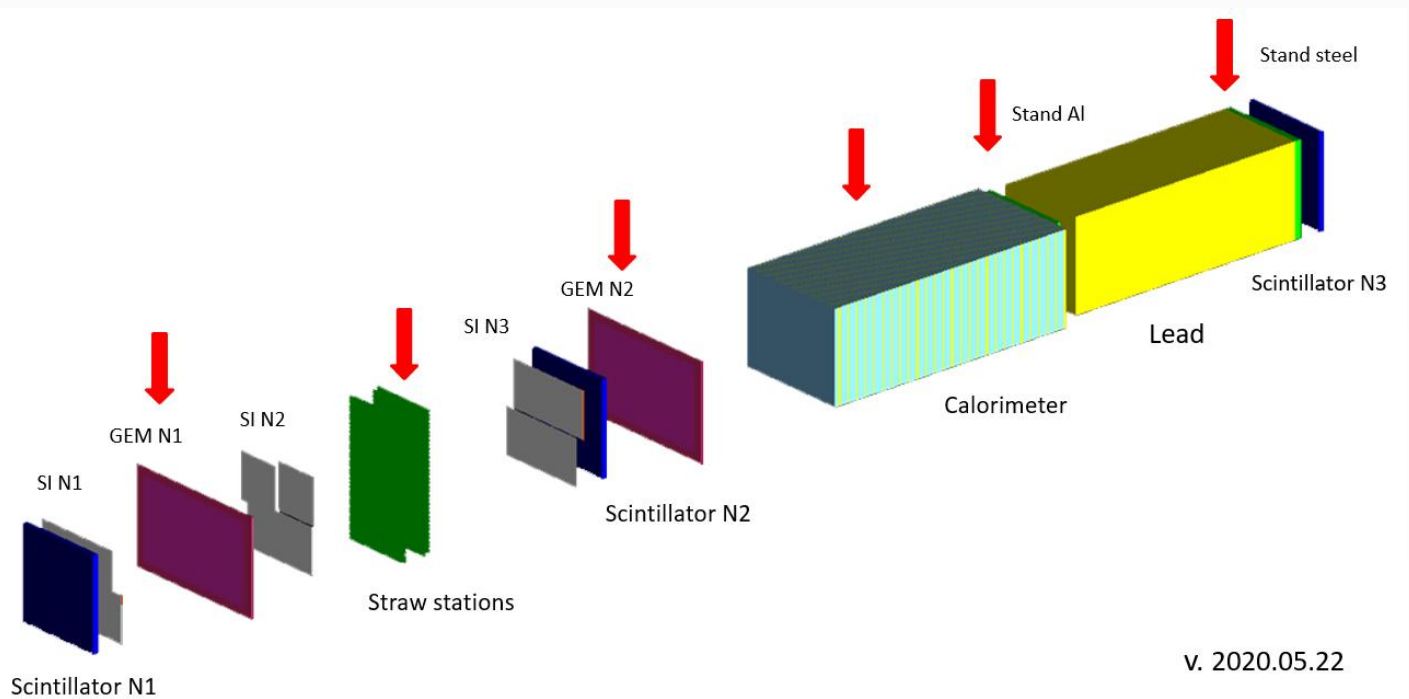


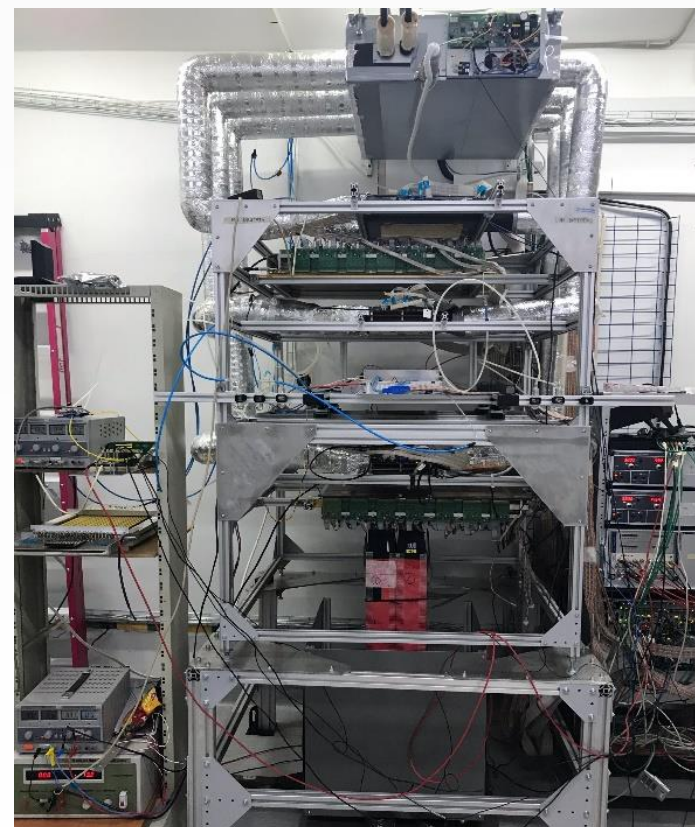
Элементы  
система медленного контроля (DCS)  
на стенде miniSPD



# Испытательный стенд miniSPD



v. 2020.05.22



# Источники питания

iseg SNMP Control Version 1.1.8.0

File System Module Channel Help

2 Modules found. Connected to MPV8008 sn. 1081003 at Slot 2

Slot	Channel	Vset (V)	Vmeasure (V)	Vnominal (V)	Iset (mA)	Imeasure (mA)	Inominal (mA)	Status	CV	CC
Slot 2 1081003	Channel 0	4,00	4,00	8,00	T 3 500,000	3 222,168 mA	10 000,000	On		
Slot 7 2282013	Channel 1	4,10	4,10	8,00	T 4 000,000	3 760,742 mA	10 000,000	On		
	Channel 2	3,20	3,20	8,00	T 4 299,805	4 057,129 mA	10 000,000	On		
	Channel 3	3,70	3,70	8,00	T 7 500,000	7 190,430 mA	10 000,000	On		
	Channel 4	3,20	3,20	8,00	T 2 299,805	2 037,109 mA	10 000,000	On		
	Channel 5	3,60	3,60	8,00	T 4 000,000	3 612,305 mA	10 000,000	On		
	Channel 6	0,00	0,00	8,00	T 10 000,000	0,000 mA	10 000,000	Off		
	Channel 7	0,00	0,00	8,00	T 10 000,000	0,000 mA	10 000,000	Off		

Module Information

Serial Number: 1081003  
Firmware Name: MPV8008  
Firmware Release: n/a  
Channel Number: 8  
Device Class: -1

Module Supplies and Temperature

+ 5 Volt (V): 0.0  
+ 24 Volt (V): 0.0  
- 24 Volt (V): n/a  
Temperature (°C): 0.0

Module Settings

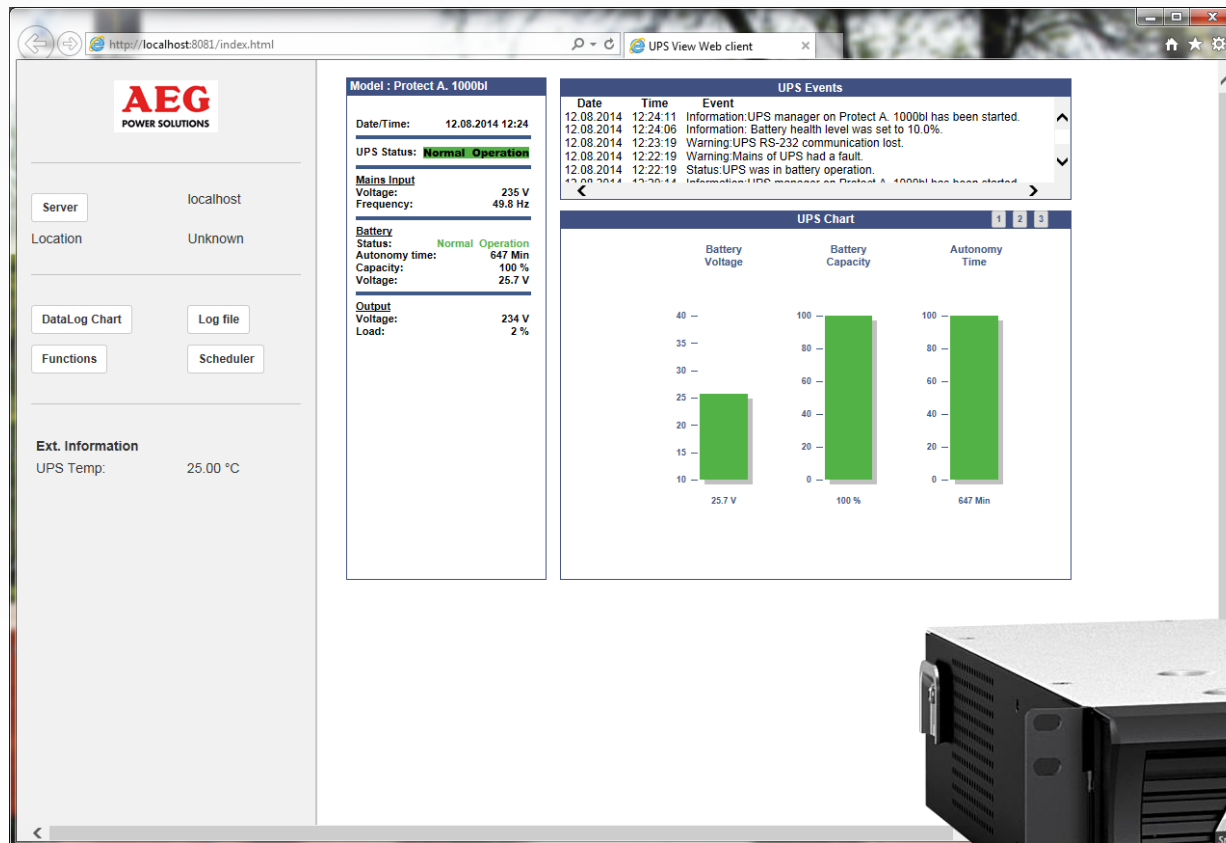
Voltage Limit (%): 0  
Current Limit (%): 0  
Voltage Ramp Speed (%): 0  
Current Ramp Speed (%): 0

Module Summary | Module Control | Module Status | Module Event Mask | Channel Control | Channel Status | Channel Event Mask

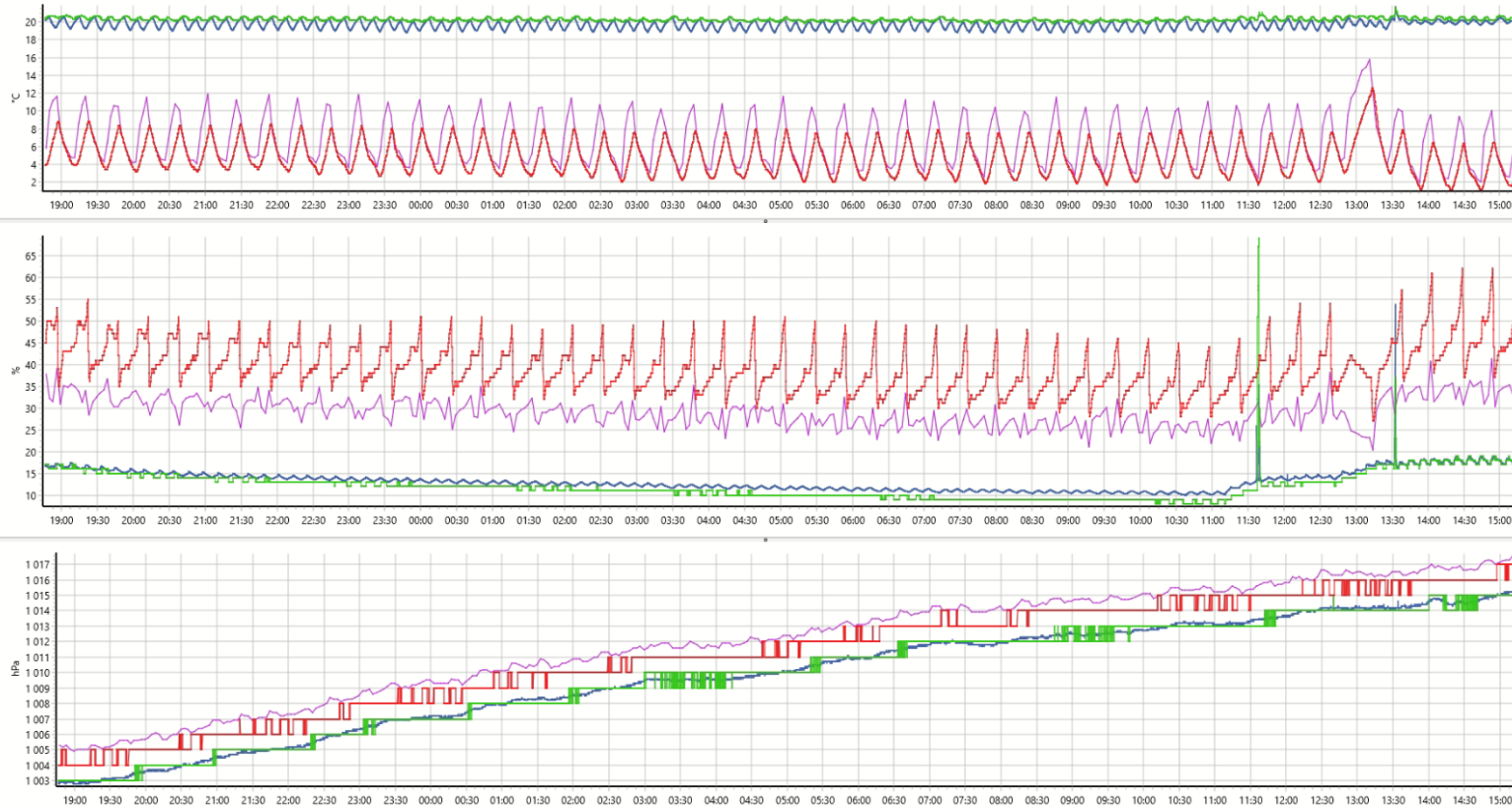
Fan Speed | Connected to 10.18.72.169. Bus status: OK



# Источники бесперебойного питания



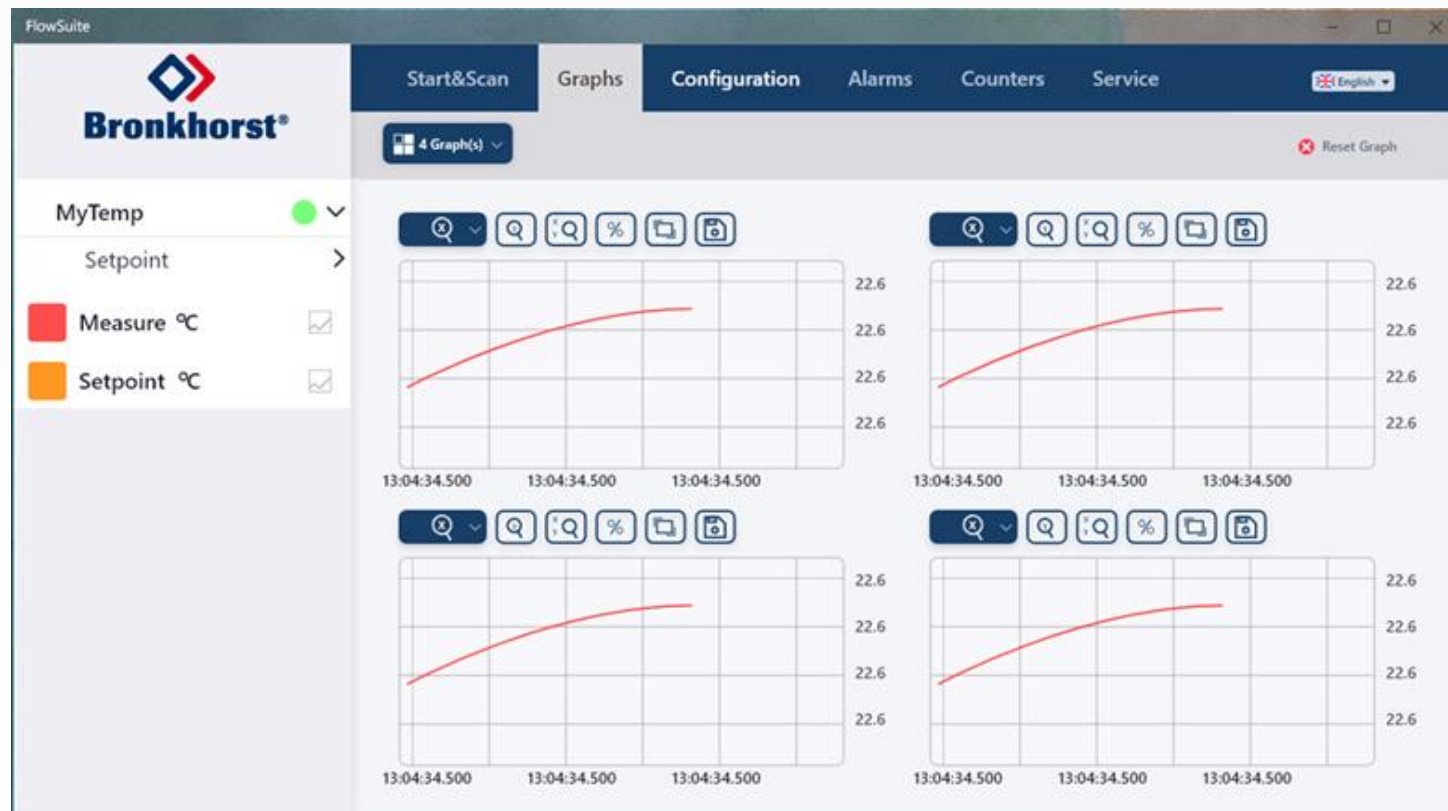
# Температура, Давление, Влажность



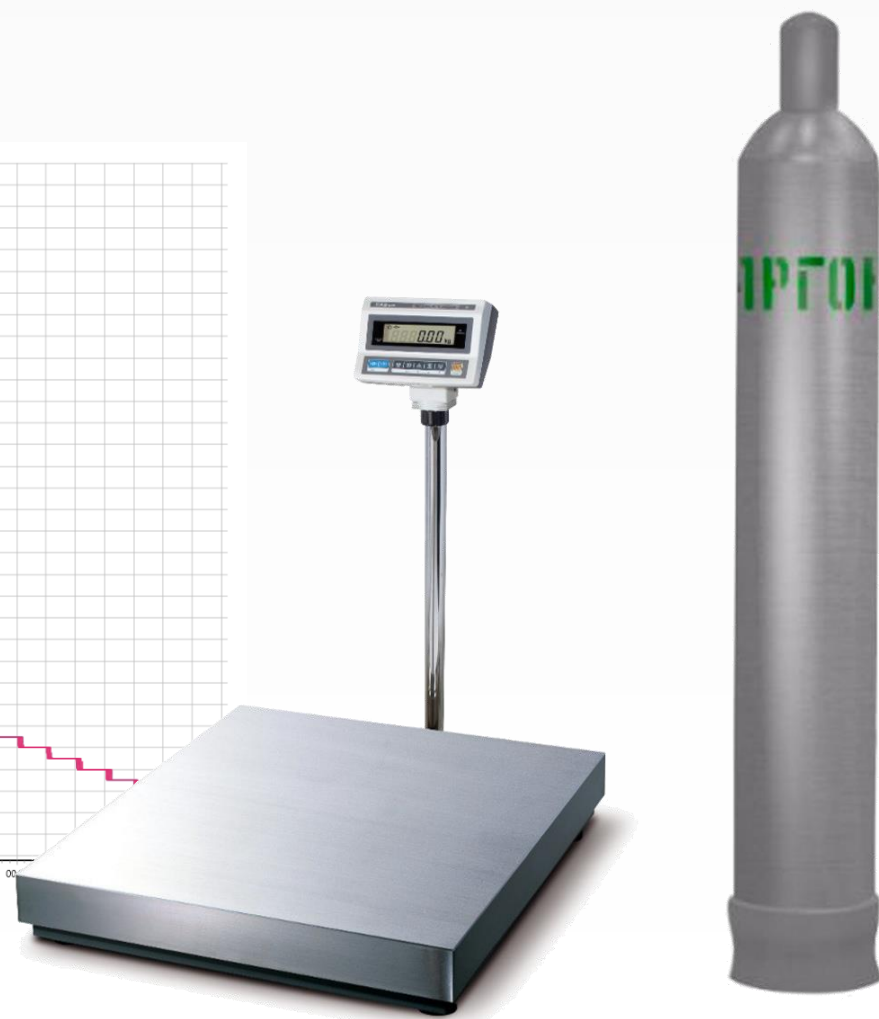
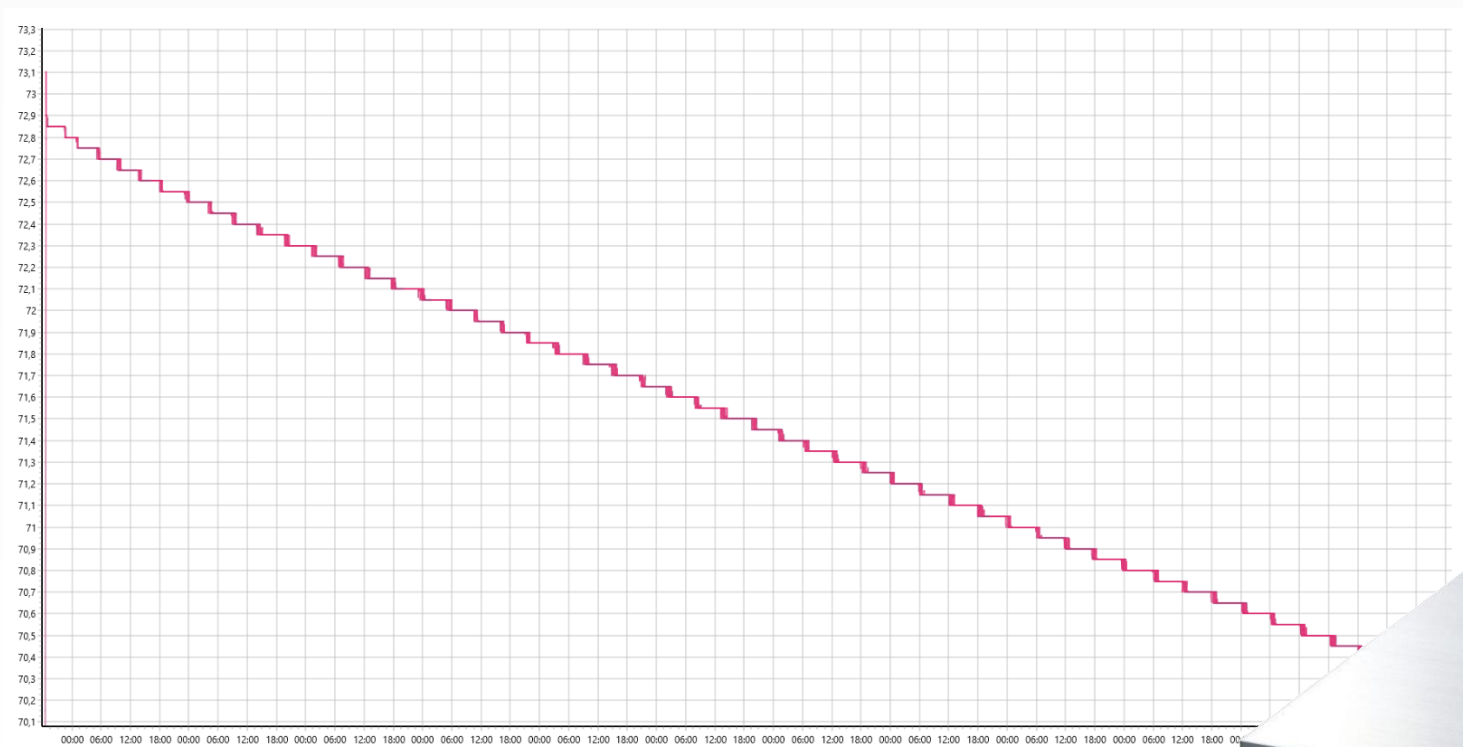




# Газовые расходомеры и регуляторы

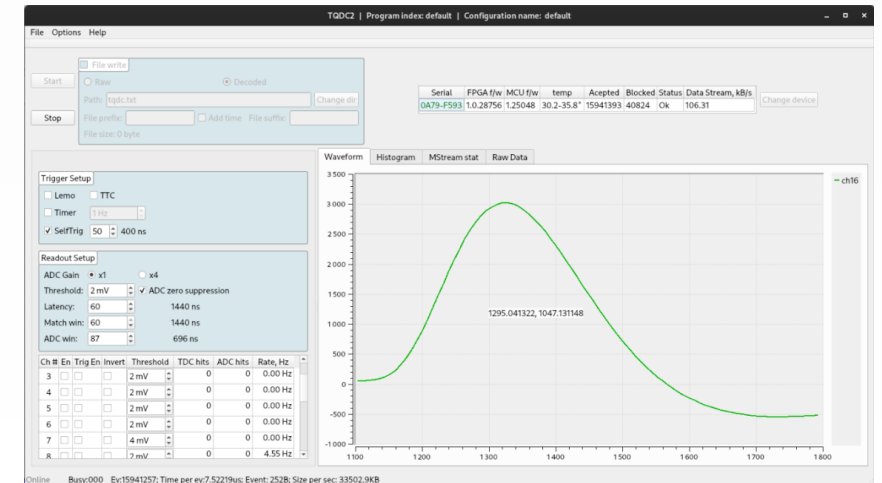
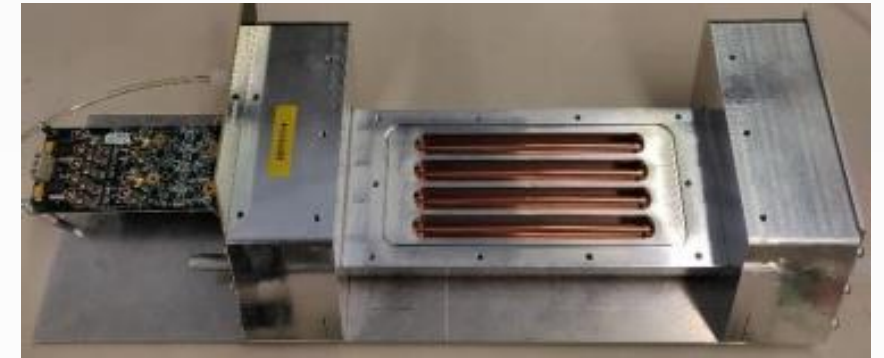
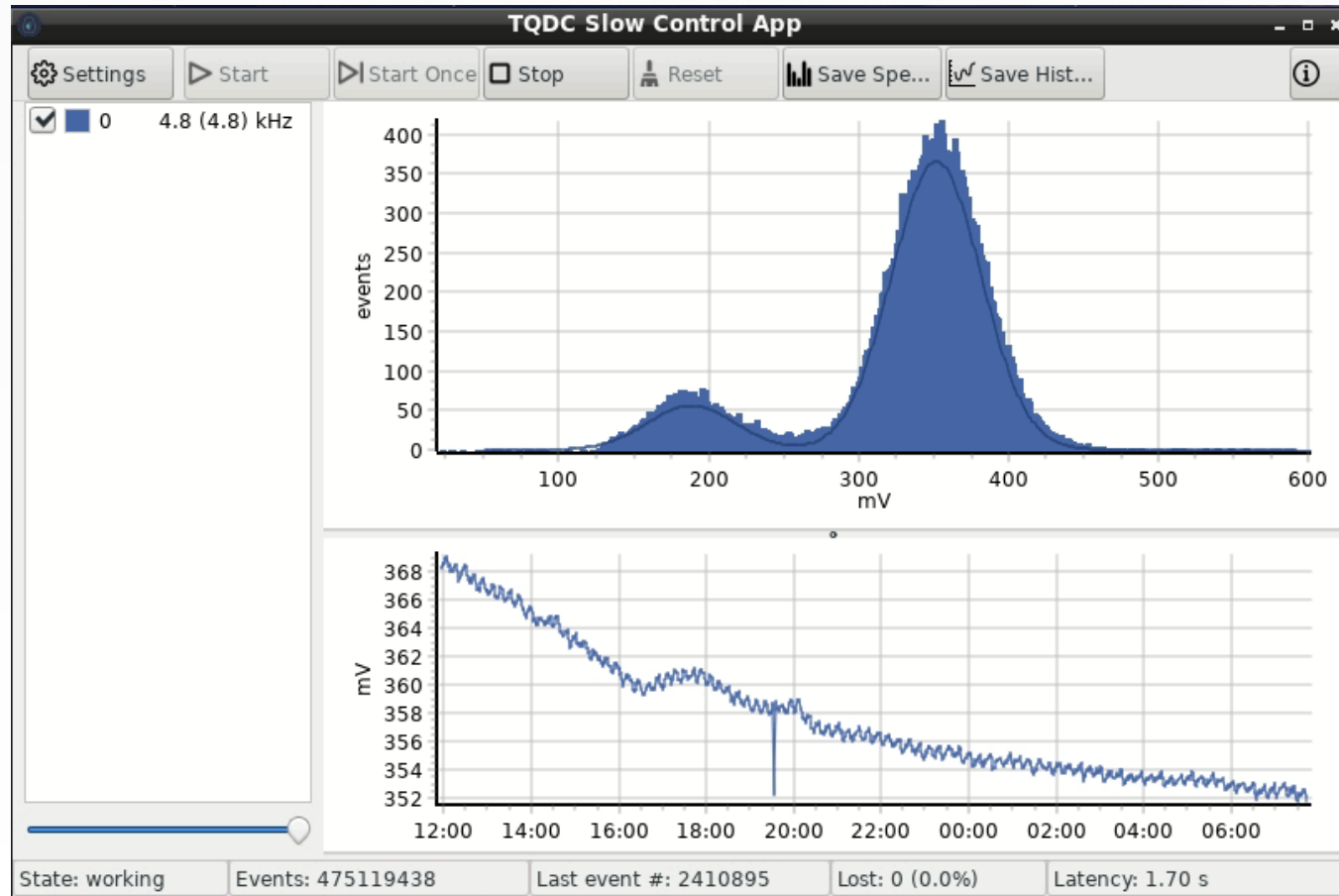


# Контроль остатков газа





# Коэффициент газового усиления



# DCS Dashboard



+



=



# Элементы DCS

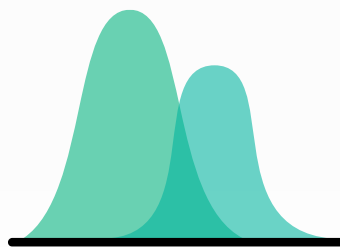
Name	Completeness	Name	Completeness
APC UPS	++	Gas Gain	+++
WIENER MPOD Crates	++++	Gas reserve (scales)	+++
CAEN Power Supply	++	Gas flow regulators	+
iseg Power Supply	+++	Network state	++++
FuG Power Supply	++++	Subsystem states	
AIM TTi Power Supply	++	Hall	++
THP (temp., press., hum.)	++++	Air Conditioners	+
High sense THP	++++	Seismic and geometry	

# WinCC OA (ex PVSS II)



- Стандарт в CERN
- Красивый UI
- Поддержка Simatic

- Мало локальных специалистов
- Высокая стоимость
- Сложность подготовки кадров



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