Slow control logic for CKOV 2

[Bubble] 

[LED Driver] 

[LED 8] 

[PM 8] 

[PM 2] 

[PM 1] 

[LED 2] 

[LED 1] 

[Cherenkov 2 vessel] 

[... 8 PMS ...]

[Temperature sensor (liquid)]

[Oxygen sensor] 

[Over/Under Pressure] 

[Humidity] 

[PM 8]

[Split]

[BAW]

[ZAV]

[LTV]

[CAEN 1]

[To VME crate controller from trigger]

[Multipurpose]

[Interface Agilent 34970 + 34901A]

[8 pairs of fast signals in total]
Details about the sensors

Temperature/humidity sensor from Honeywell type HIH-3602C

- one PT100 sensor (100 \( \Omega \) at 0°C)
- one relative humidity sensor (0 Volt@0% RH and linear)

Oxygen sensor from CityCel type 6C

- 0 to 10 Volts (linear in O\(_2\) content)

Pressure switches from Huba type 625.902105836

- 2 to 8 mbar (0 to 10 V) 625.612105836
- -4 to -30 mbar (0 to 10 V)

Differential pressure transducer from HUBA type 694.913221042

- (0 to 10 V)

Bubbler recovered from HARP

Acquisition unit Agilent 34870 frame

+ 20-input drawer 34901A