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# -- Configuration Options for PhyPiDAQ
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#
# -- configuration files for hardware devices
#
#DeviceFile: config/ReplayConfig.yaml     # data from File
#optional:
#DeviceFile: config/ToyDataConfig.yaml   # simulated data

# other options(requires connected hardware):
DeviceFile: config/ADS1115Config.yaml   # 16 bit ADC, I2C bus
#DeviceFile: config/MCP3008Config.yaml   # 10 bit ADC, SPI bus
#DeviceFile: config/groveADCConfig.yaml  # 12 bit ADC on grove RPI
shield
#DeviceFile: config/MCP3208Config.yaml   # 12 bit ADC, SPI bus
#DeviceFile: config/PSConfig.yaml        # PicoTechnology USB scope
#DeviceFile: config/PSConfig2000.yaml    # PicoTechnology USB scope
220xA
#DeviceFile: config/MAX31865Config.yaml  # Pt 100 sensor
#DeviceFile: config/GPIOCount.yaml       # frequency count
#DeviceFile: config/DS18B20Config.yaml   # digital temperature
sensor
#DeviceFile: config/MAX31855Config.yaml  # thermo element
#DeviceFile: config/BMP180Config.yaml    # pressure/temperature
sensor
#DeviceFile: config/INA219Config.yaml    # Voltage/Current sensor
#DeviceFile: config/MMA845xConfig.yaml   # Accelerometer
#DeviceFile: config/MLX90393Config.yaml   # Magnetometer

## an example of multiple devices
#DeviceFile: [config/ADS1115Config.yaml, config/GPIOCount.yaml]

#
# -- configuration options for Channels
#

# possibility to overwrite Channel Limits obtained from device
config
##ChanLimits:
## - [0., 1.]   # chan 0
## - [0., 1.]   # chan 1
## - [0., 1.]   # chan 2

# calibration of channel values
#  - null    or  - <factor> or  - [ [ <true values> ], [ <raw
values> ] ]
#ChanCalib:
#  - 1.                       # chan0: simple calibration factor
#  - [ [0.,1.], [0., 1.] ]    # chan1: interpolation: [true]([<raw>]
)
#  - null                     # chan2: no calibration

# apply formulae to (calibrated) channel values
#ChanFormula:
#  - c0 + c1  # chan0
#  - c1          # chan1
```

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#  - null        # chan2 : no formula

#
# -- configuration options for graphical display
#
Title: "Lade- Entladekurve Kondensator C=10mikroF"             #
display title
#ChanLabels: ['X1', 'X2']            # names for channels
ChanUnits: ['V', 'V']         # units for channels
#ChanLabels: [U, U]                  # names for channels
#ChanUnits: [V, V]                   # units for channels
ChanNams: [U_GPIO, U_kond]                  # names for channels
ChanColors: [darkblue, sienna]      # channel colours in display

Interval: 0.1                  # logging interval
#NHistoryPoints: 120           # number of points used in history
buffer
#DisplayModule: DataLogger     # history of channel signals
DisplayModule: DataGraphs     # text, bar-graph, history and xy-view
#XYmode:     false             # enable/disable XY-display
## if more than two channels active:
#Chan2Axes: [0, 1, 0]          # assign channels to axes
#xyPlots:                      # define which axes to show
# - [0, 1]                     #  in xy-plot
# - [0, 2]
# - [1, 2]

#
# -- configuration options for output to file
#
DataFile:   testfile.csv     # file name for output file,
#DataFile:   null              #  null to disable
CSVseparator: ';'            # field separator, set to ';' for
German Excel

# enable buffering of latest data (depth NHistoryPoints from above)
#bufferData: PhyPiData    # file name to store and track latest data
#bufferData: null         #    or null to switch off

# control status LEDs
#RunLED: 20     # display run status on GPIO pin 20
#ReadoutLED: 21 # display readout on GPIO pin 21
```