

CLEANING FILTER
PREPROCESSING
(Improves DC + LF noise
behavior)

OUT_signal =
DAQ_signal +
COEF*ACUM

DAQ_signal > Threshold
OR
ACC > ACC_FLOOR

NO

ACC > 0

YES

ACC =
ACC[t-1] + (DAQ_signal
BASELINE)

Compute
Discharge_Coeff
based of programmed
discharge curve

ACC = ACC[t-1]*Discharge_Coeff

