

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

