





INSTRUCTIONS TO CALCULATE NEW INPUT MIN AND NEW INPUT MAX FOR O2 CONCENTRATION SENSOR.

NEW INPUT MIN = PHASE 1 AVERAGE(0%AVG).

NEW INPUT MAX = ((O2_MAX_CON / O2_CAL_GAS_CON) X (30%AVG - 0%AVG)) + 0%AVG

--O2 MAX CON = 40%, O2 CAL GAS CON = 30%. 30% AVG AND 0% AVG ARE DETERMINED DURING THE CALIBRATION CYCLE.--

CAL. PHASE 2
COMPLETE

B3:0
10

O2 MAX CON. / O2
CAL. GAS CON
(40% / 30%)

DIV

Divide	
Source A	F8:8 40.0<
Source B	F8:9 30.0<
Dest	F8:11 0.0<

30% AVG. - 0% AVG

SUB

Subtract	
Source A	F8:7 0.0<
Source B	F8:5 0.0<
Dest	F8:10 0.0<

(MAX.CON./CAL.CON)X
(30% AVG - 0% AVG)

MUL

Multiply	
Source A	F8:11 0.0<
Source B	F8:10 0.0<
Dest	F8:12 0.0<

CALIBRATED INPUT MAX

ADD

Add	
Source A	F8:12 0.0<
Source B	F8:5 0.0<
Dest	F8:13 0.0<

INPUT MIN

MOV

Move	
Source	F8:5 0.0<
Dest	F8:14 0.0<

INPUT MAX

MOV

Move	
Source	F8:13 0.0<
Dest	F8:15 16383.0<

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◁END▷