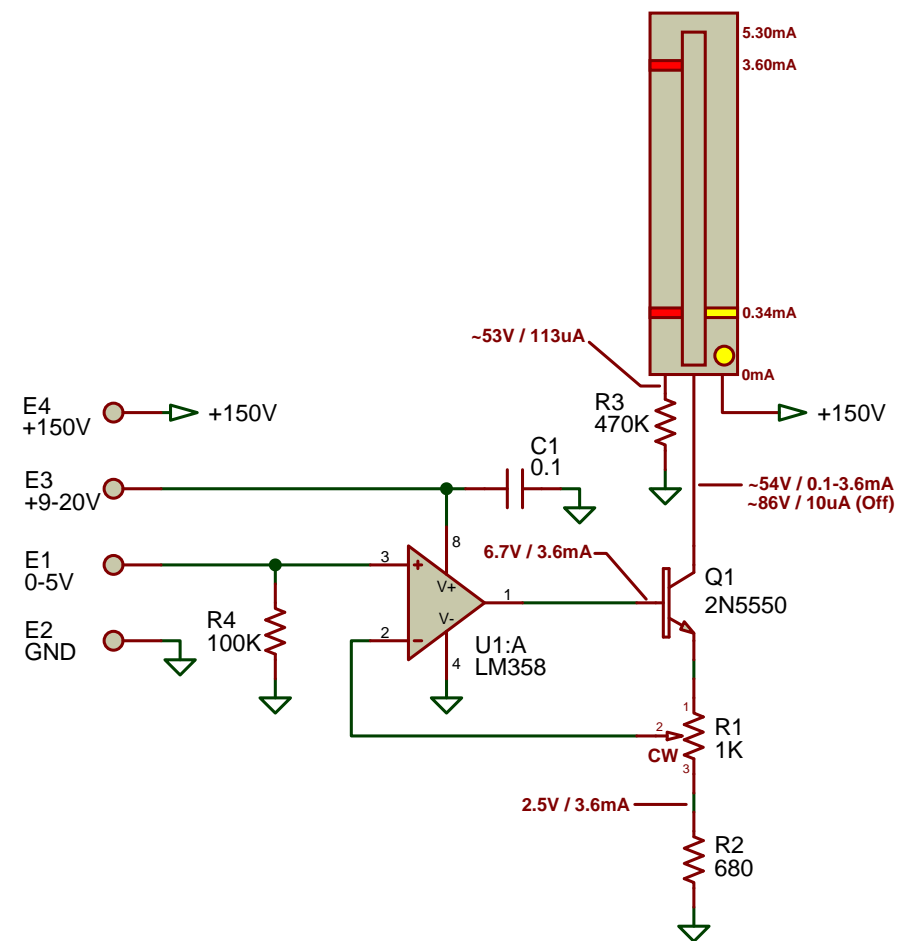


REVISION HISTORY			
REV	DESCRIPTION	APPROVED	DATE



For an LM358 amp, the VDD needs to be about 4V higher than the full scale input.

For full scale inputs lower than 5V, scale R1 and R2 accordingly but be sure to ensure that VDD is high enough to drive Q1.

R1 and R2 are the current feedback network where R1 sets the full scale current to allow you to adjust out variation from tube to tube. Set R1 full counter clockwise, set the input to full scale (Values shown for 5V) and then set R1 to line up the bar graph display to the top red line.

When starting up, the input may need to be set to zero to ensure a single display line.

APPROVALS		DATE	TITLE		
DRAWN	J TAYLOR	05/12/10	IN13 Bargraph voltage to current driver circuit (1 channel).		
CHECKED					
ENGINEER					
PROJ ENGINEER			SIZE	FSCM NO.	DRAWING NO.
APPROVED			B		1398.DSN
QA			SCALE	NONE	REV: -
			© 2009 TES	MODIFIED: 05/13/10 12:23:05 AM	SHEET 1 OF 1