

Joystick_Interface

In this application the customer was using a resistance type joystick to control a proportional valve. The requirement was that the control signal of 12 to 20 mA would only operate in the joystick forward direction i.e. from 5 kΩ to 10 kΩ.

We configured the Eco-Line for 0-10 kΩ input and then captured the joystick midpoint/rest value as the input minimum. The joystick maximum travel was captured as the input maximum. The output was set up as per normal and a good result was obtained.



Input: 5 to 10 kΩ
Output: 12-20 mA

Input (kΩ)	Output (mA)
10	19.99
8.89	18.171
7.902	16.64
6.915	15.099
5.93	13.55
4.943	11.997
4.8	11.756
4.7	0
3.995	0
0	0

open cct = 23.2 mA

