

## Low Resolution A-to-D Converter

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A simple, low-resolution **analogue-to-digital** converter (three-bit output) can be built using the LED **bargraph** driver IC, the LM3914. This ADC can be used in applications where more usual (and more expensive) eight-bit or

greater **ADCs** would give unnecessary accuracy.

The **bargraph** IC converts the input voltage into a low signal on one of the 10 outputs, depending on its amplitude. The diodes code the **outputs** to binary-coded decimal, IC2 **pro**-viding the ADC with **TTL** outputs.

