

ANALOG-DIGITAL-CONVERTER

4 channel 16 bit ADC ADS1115



Unlike the Arduino, the Raspberry Pi has no analog inputs and no ADC (analog to digital converter) is integrated in the chip of the Raspberry Pi. This restricts the Raspberry Pi when using sensors where values cannot be output digitally.

You can solve this problem with this analog-digital converter, because this module has 4 16 bit ADC channels, which you can use on the Raspberry Pi. The converter is connected to the Raspberry Pi via I²C and takes over the analog measurement and passes the value digitally to the Raspberry Pi.

Furthermore, this converter is suitable for use with microcontrollers if the resolution or the number of ADC channels of the microcontroller is not high enough.

MAIN FEATURES

Model	analog digital converter ADS1115
Interface	I ² C
ADC channels	4
Resolution per channel	16 bit
progr. sampling rate	8 - 860 SPS
Operating voltage	2 V - 5,5 V
Analog input voltage	0 V - operating voltage
I ² C logic voltage	0 V - 5,5 V
I ² C adress (via Jumper configurable)	0x48 - 0x4B
typ. operating current	150 µA

FURTHER DETAILS

Article No.	COM-KY053ADC
EAN	425023681598
Customs tariff No.	854231900
Dimensions	18 x 28 mm
Scope of delivery	ADS1115