

Adafruit AS7341 10-Channel Light / Color Sensor

multi-channel spectrometer



- Detects the amounts of light within different wavelengths, visible and near infrared.
- 16 different sensors detect 8 separate, overlapping bands of colored light.
- 16-bit 6-channel ADC (analog-to-digital converter) takes raw measurements and converts them to digital values that can be read over I2C.

BME 280 Temperature/Humidity/ Barometric Pressure

Environmental Sensor



- The BME280 utilizes Micro-Electro-Mechanical Systems (MEMS) technology to measure pressure, humidity, and temperature.
- Especially developed for applications where size and low power consumption are key design parameters.
- Measures humidity with $\pm 3\%$ accuracy, barometric pressure with ± 1 hPa absolute accuracy, and temperature with $\pm 1.0^\circ\text{C}$ accuracy.