

Ultrasonic distance sensor HC-SR04

SparkFun · MPN SEN-15569 · category: distance-sensor

Canonical record: <https://partsgraph.ai/catalog/parts/sparkfun-hc-sr04>

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ELECTRICAL

Working current: **15 mA** · datasheet p.1

PERFORMANCE

Ultrasonic frequency: **40 kHz** · datasheet p.2

Ranging accuracy: **3 mm** · vendor page

Suggested measurement cycle: **60 ms** · datasheet p.2

INTERFACE

Trigger pulse width: **10 uS** · datasheet p.1

MECHANICAL

Dimensions: **45*20*15mm** · datasheet p.1

GENERAL

Measuring range: **2–400 cm** · datasheet p.1

Working voltage: **5 V** · datasheet p.1

Measuring angle: **15 degree** · datasheet p.1

INDICATIVE PRICES

SparkFun: \$5.25 USD · as of 2026-08-22 · <https://www.sparkfun.com/ultrasonic-distance-sensor-hc-sr04.html>

Prices are indicative and dated, captured only from vendors' machine-stated markup. Availability is never claimed.

SOURCES — THE AUTHORITATIVE DOCUMENTS

HC-SR04 datasheet: <https://cdn.sparkfun.com/datasheets/Sensors/Proximity/HCSR04.pdf>
sha-256 4ebdc3e1f70d84a1ca856d8fcd7f8b1f9e548a94e4012cd86d14ca0b30543b06

SparkFun product page: <https://www.sparkfun.com/ultrasonic-distance-sensor-hc-sr04.html>

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