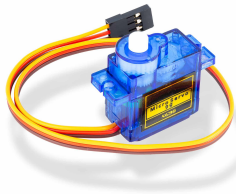


PRODUCT DATASHEET



Servo Motor TowerPro SG90

555044

The TowerPro SG90 Micro Servo Motor is compact, lightweight, and ideal for precise control in robotics and electronics projects.

Full product documentation, files and tutorials: solde.red/555044

CORE ATTRIBUTES

SKU 555044

WEIGHT 14 g

BARCODE 101246

DESCRIPTION

The TowerPro SG90 Micro Servo Motor is a highly popular and versatile component, especially favoured by hobbyists and educators for its easy compatibility with Arduino and other microcontrollers. Its compact size and lightweight design make it an ideal choice for projects where space and weight are considerations. With a wide operating voltage range and precise control, the SG90 offers reliable performance for a multitude of small-scale applications, making it an important piece in introductory robotics and electronics kits.

This micro servo excels in various applications, from controlling robotic arms and legs in small humanoid robots to actuating camera gimbals or steering mechanisms in RC cars. Its ability to provide accurate angular positioning within a 180-degree range, combined with its ease of integration, makes it a tool for bringing dynamic movement to static designs. The SG90's plastic gear train ensures durability for repeated use in educational and experimental environments.

Its widespread adoption has led to a vast community of support, with countless tutorials, code examples, and project ideas available online, particularly for Arduino users. This accessibility, combined with its straightforward wiring and control via standard PWM signals, positions the SG90 as the go-to micro servo for rapid prototyping, educational projects, and small-scale automation tasks.

TECHNICAL DETAILS

- **Control:** analog(best use Servo library)
- **Voltage:** 5V
- **Speed:** 60 degrees in 0.1s
- **Weight:** 9g
- **Dimensions:** 23 × 12 × 29 mm / 0.9" x 0.5" x 1.1"

GALLERY

