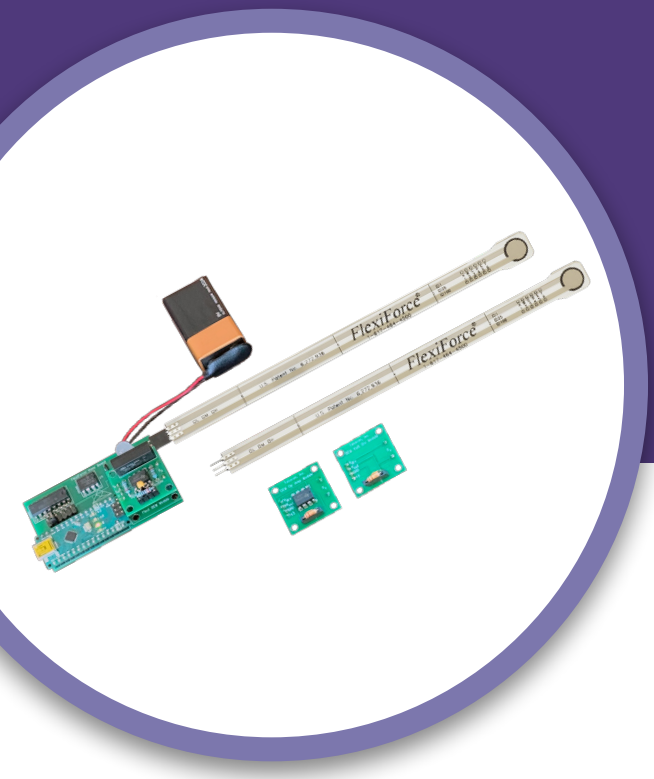


FlexiForce™
Prototyping Kit

The FlexiForce™ Prototyping Kit allows engineers and designers the freedom to plug their preferred circuit module(s), easily make sensitivity adjustments, and gain confidence in how a FlexiForce sensor will behave in their prototype. The open-source nature of this kit makes for a more efficient progression to field-testing and the final embedded design.

Features

- The small and affordable kit saves engineers and designers the effort of building circuitry and other components for their FlexiForce-embedded proof-of-concept or prototype.
- Interchangeable analog circuit modules allows users to test the functionality of their FlexiForce sensors with ease.
- Open-source software interface allows users to control loading, record sensor data, adjust sensitivity, and calibrate the sensor.

Benefits

- Sensitivity adjustment made programmable via reference voltage. An on-board jumper easily selects the applied voltage.
- Resistor/capacitor values easy to swap out.
- Test FlexiForce sensors with the same methods used by Tekscan application engineers.
    - Be more confident in FlexiForce sensor performance in your proof-of-concept and prototype.
- See instant feedback of sensor performance under different loading actuators and interfacing materials.

The FlexiForce Prototyping Kit comes with three interchangeable analog circuit modules

✓ROHS COMPLIANT

ISO 9001:2008 Compliant & 13485:2016 Registered

Tekscan™

Components

The FlexiForce Prototyping Kit contains:

(1) FlexiForce prototyping board

- Programmable reference voltage (sensitivity adjustment)
- Arduino nano chip
- 9 volt battery connector

(3) Analog circuit modules

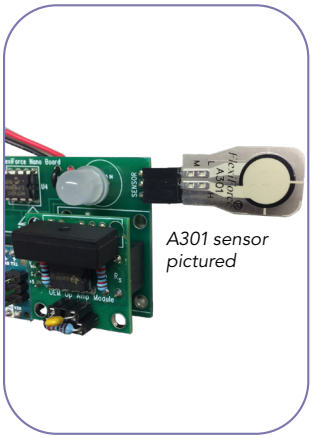
- Voltage divider, inverting op-amp, and non-inverting op-amp

(2) FlexiForce sensors

- (1) A201-1
- (1) A201-25

(1) Quickstart guide

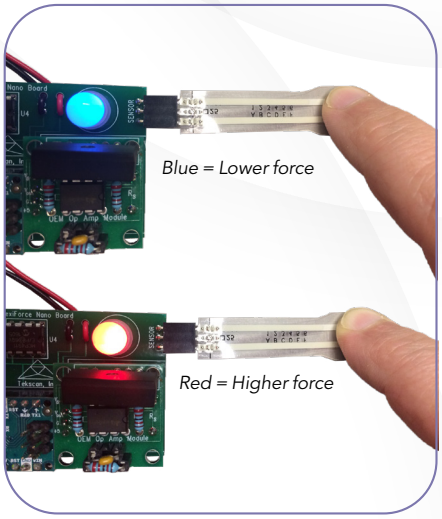
- Includes link to download open-source software



A301 sensor pictured

Compatible with FlexiForce standard-pinned sensors, including:

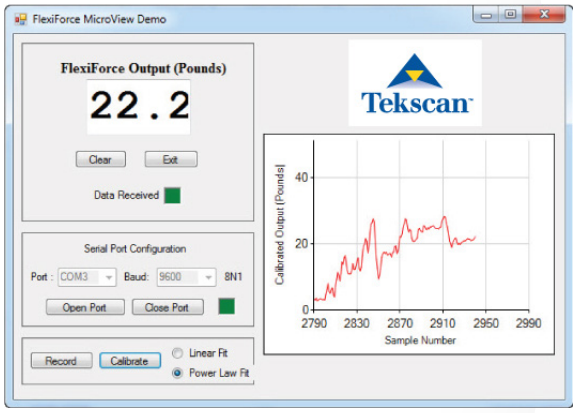
- *A201 (included with kit purchase)*
- *HT201*
- *A301*
- *ESS301*
- *A401*
- *A502*



Relative force feedback is displayed on the Prototyping Kit via a blue-to-red LED light.

Additional Specifications

	FlexiForce Prototyping Kit
Size L x W (mm (in.))	38 x 66 mm (6.00 x 6.00 x 9.14 in.)
Weight (g (lb))	28 g (0.06 lb)
Input	9V
Analog Output	0 - 5V
Digital Output	Up to 10 bit (8 bit default)
Communication	USB
Operating Temperature	-10 to 50°C (14 to 122°F)



Save records on sensor performance for linearity, hysteresis, drift, and repeatability.

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