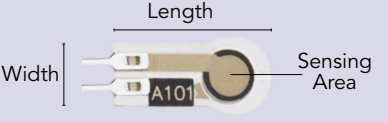
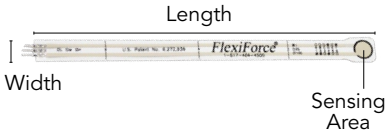
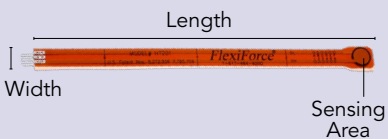
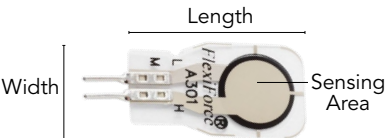
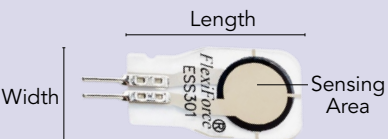
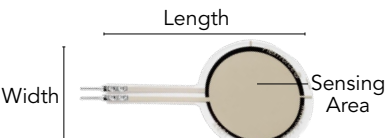
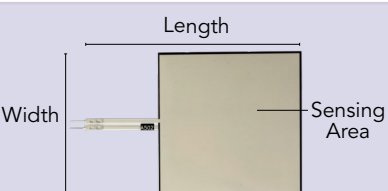


FlexiForce™ Standard Sensors

Our standard sensor line below features a wide range of sensor sizes, properties, and force ranges. We also offer custom sensor designs to fit your needs. For a custom design, please contact us at +1 (617) 464-4283.

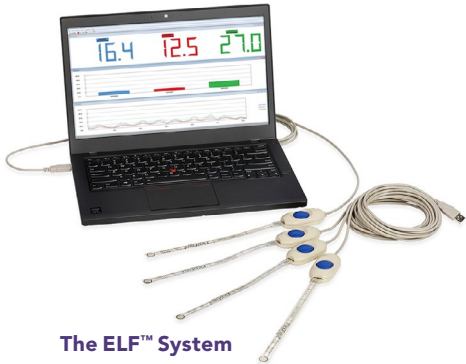
Model #	Image (not to scale)	Physical Properties		Force Ranges	
				Standard	Max
A101		Length	15.6 mm (0.62 in)	18 N (4 lbs)	45 N (10 lbs)
		Width	7.6 mm (0.30 in)		
		Sensing Area	3.8 mm (0.15 in) diameter		
		Thickness	0.203 mm (0.008 in)		
		Connector	2-pin Male Square Pin		
A201		Length	191 mm (7.5 in) trimmable	4 N (1 lb) 111 N (25 lbs) 445 N (100 lbs)	45 N (10 lb) 1,112 N (250 lbs) 4,448 N (1,000 lbs)
		Width	14 mm (0.55 in)		
		Sensing Area	9.53 mm (0.375 in) diameter		
		Thickness	0.203 mm (0.008 in)		
		Connector	3-pin Male Square Pin (center pin is inactive)		
HT201 (High-Temp)		Length	191 mm (7.5 in) trimmable	222 N (50 lbs)	2,224 N (500 lbs)
		Width	14 mm (0.55 in)		
		Sensing Area	9.53 mm (0.375 in) diameter		
		Thickness	0.203 mm (0.008 in)		
		Connector	3-pin Male Square Pin (center pin is inactive)		
A301		Length	25.4 mm (1 in.)	4 N (1 lb) 111 N (25 lbs) 445 N (100 lbs)	45 N (10 lbs) 1,112 N (240 lbs) 4,448 N (1,000 lbs)
		Width	14 mm (0.55 in)		
		Sensing Area	9.53 mm (0.375 in) diameter		
		Thickness	0.203 mm (0.008 in)		
		Connector	2-pin Male Square Pin		
ESS301 (Hi-Temp & Humidity)		Length	25.4 mm (1 in.)	4 N (1 lb)	445 N (100 lbs)
		Width	14 mm (0.55 in)		
		Sensing Area	9.53 mm (0.375 in) diameter		
		Thickness	0.203 mm (0.008 in)		
		Connector	2-pin Male Square Pin		
A401		Length	56.9 mm (2.24 in.)	111 N (25 lbs)	31,137 N (7,000 lbs)
		Width	31.8 mm (1.25 in.)		
		Sensing Area	25.4 mm (1 in.) diameter		
		Thickness	0.203 mm (0.008 in)		
		Connector	2-pin Male Square Pin		
A502		Length	81.3 mm (3.20 in.)	222 N (50 lbs)	44,482 N (10,000 lbs)
		Width	55.9 mm (2.20 in.)		
		Sensing Area	50.8 mm (2 in.)		
		Thickness	0.203 mm (0.008 in)		
		Connector	2-pin Male Square Pin		

Refer to the individual sensor data sheets for instructions to adjust force ranges.

Tools to Implement your FlexiForce Sensors

Whether you plan to use your FlexiForce sensors for Test & Measurement or Embedding purposes, Tekscan offers these products to help accomplish the goals of your project.

Test & Measurement



The ELF™ System

The ELF is a complete, cost-effective and user-friendly load and force measurement system. It consists of data acquisition hardware, software (available in high speed measuring up to 6,000 Hz) and three FlexiForce B201 sensors with different force ranges.

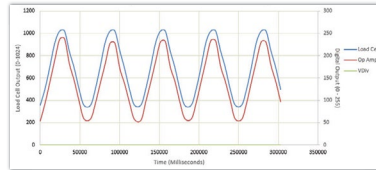
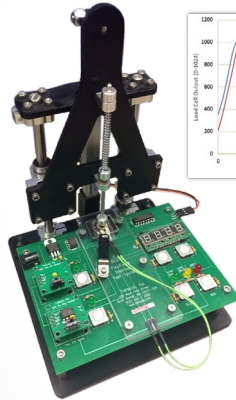
FEATURES & BENEFITS

- Patented electronics allow user to optimize the performance of ELF system over a selected force/load range. Electronics will adjust the device sensitivity to best fit the dynamic range of the specific application.
- Simple calibration procedures can deliver accuracies of $\pm 5\%$. More controlled procedures can reach $\pm 3\%$.
- USB- or WiFi-connected data acquisition electronics are available.
- All FlexiForce A series, ESS, and HT sensors can be connected to the ELF with an extender/adaptor.

OEM Development Products

Tekscan offers two FlexiForce Integration Kits to help engineers test and evaluate FlexiForce Sensors for their embedded product or device. These include:

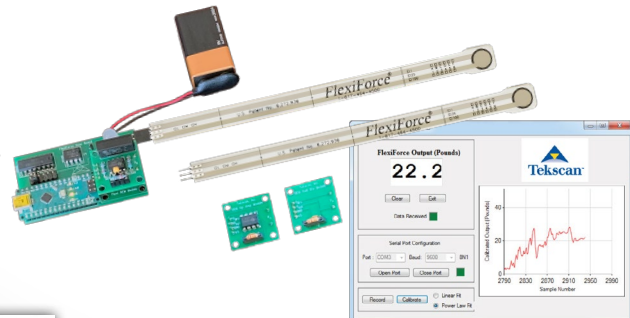
The FlexiForce Sensor Characterization Kit



- An all-in-one testing fixture to help collect baseline sensor performance in a controlled loading environment
- Includes three (3) interchangeable analog circuit modules to quickly test sensors under different circuitry
- Test interfacing materials with pre-programmed loading profiles in open-source software:
 - Linearity, hysteresis, drift, repeatability
- Use with any FlexiForce Standard Sensor model, except the A101

- A compact, plug & play kit to help engineers and designers progress smoothly through later integration phases
 - Begin collecting data in minutes!
- Test with different circuitry and make sensitivity adjustments with ease
- Use with any FlexiForce Standard Sensor model, except the A101

The FlexiForce Prototyping Kit



Don't Forget Your Puck!



We also offer peel-and-stick **FlexiForce Load Concentrators (or "Pucks")** from our online store! These delrin pucks are used to evenly distribute force across a FlexiForce sensor's sensing region, helping you optimize sensor linearity and repeatability.

GETTING STARTED WITH FLEXIFORCE SENSORS

FlexiForce sensors are available off-the-shelf to meet your testing, prototyping, and product integration needs. They are available in our online store and can be purchased at a discount for large quantities. Visit our online store at www.tekscan.com/store to place an order today.

SENSOR CUSTOMIZATION IS AVAILABLE!

For more information about custom sensors, please consult with one of our engineers, email info@tekscan.com or call toll-free 1.800.248.3669 (inside US) or dial +1.617.464.4283 (international).

