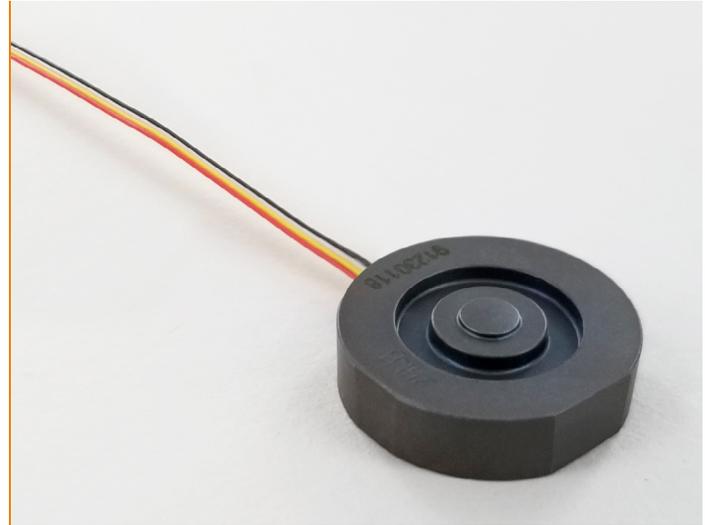


INTRODUCING

FX29 FORCE COMPRESSION LOAD CELL

- Enable design flexibility and simplicity with mV, amplified and digital output options
- Utilize high reliability Microfused technology and offer ranges from 10 - 200lbf in a miniature size



From infusion pumps designed for home healthcare to industrial robotics and weight systems there is a rapidly growing demand for miniaturization in embedded force measurement. TE Connectivity's (TE) FX29 is a compact compression load cell that offers exceptional price-to-performance in a robust package designed to meet this demand.

The FX29 enables design flexibility with mV, amplified and digital output options with greater system accuracy. Constructed of stainless-steel materials, the FX29 incorporates proven Microfused sensing technology with low compliance, high sensitivity and a minimum of one million cycles.

APPLICATIONS

- Medical Infusion Pumps
- Analog & Digital Scales
- Fitness & Exercise Equipment
- Payload Weighing
- Power Tools
- Robotics
- Surgical & Dental Tools
- Battery Powered Devices
- Manufacturing Equipment

KEY BENEFITS

- Enable design flexibility and simplicity with mV, amplified and digital output options
- Allow flexibility in force range options from 10 - 200lbf with the combination of a metal injection molded flexure and micro miniaturized MEMs strain gages
- Save space with simplified design and small footprint (Ø19.70 x 4.95mm) suited for application with tight space constraints
- Provide excellent span and zero stability, outstanding cycle life, superior resolution, high over-range capabilities, and an unamplified span sensitivity of 20mV/V with Microfused technology

TARGET MARKETS

- Medical
- Industrial

PERFORMANCE

Absolute Maximum Ratings - Analog

- Supply Voltage: 6.0V (mV Output)
- Storage Temperature: -40 to +85°C
- Compressive Load: 2.5X
- ESD: -4.0 to 4.0kV

Absolute Maximum Ratings - Digital

- Supply Voltage: 5.50V
- Storage Temperature: -40 to +85°C
- Compressive Load: 2.5X
- ESD: -4.0 to 4.0kV

LEARN MORE

[FX29 Landing Page](#)

[Force Sensor Elements Landing Page](#)

[FX29 White Paper](#)

[FX29 Infographic](#)

[FX29 Datasheet](#)

[FX29 Overview Video](#)