LOWPROFILE® LOAD CELLS

1000 Fatigue Rated
- 250 lbf to 1,000K lbf
- 1.25 kN to 4,448 kN
- Fully Reversed High Cyclic Loading

1100 Ultra Precision
- Very High Accuracy
- 300 lbf to 200K lbf
- 1.33 kN to 890 kN

1200 Standard Precision
- 300 lbf to 2,000K lbf
- 1.33 kN to 8,896 kN

12X8 Flange Mount Standard Precision
- 30K lbf to 330K lbf
- 133 kN to 1,468 kN

1500 Compact
- Low Capacity
- 25 lbf to 300 lbf
- 111 N to 1.33 kN

1600 Gold Standard®
- Calibration
- 500 lbf to 200K lbf
- 2.22 kN to 900 kN
- 4% lower load limit per ASTM E74

1700 Flange Mount
- 220 lbf to 14K lbf
- 1 kN to 63 kN
- Mounts Directly to Cylinders

1800 Platinum Standard®
- Calibration
- 1.1K lbf to 55K lbf
- 5 kN to 220 kN
- Capable of 2% lower load limit per ASTM E74

2400 Stainless Steel
- 100 lbf to 300K lbf
- 445 N to 1,334 kN
- Environmentally Sealed Hermetic Deal Available

3200 Precision
- Stainless Steel
- 2.5K lbf to 100K lbf
- 11.1 N to 445 kN
- Hermetically Sealed

3410/3420/3416/3430
- Intrinsically Safe Load Cells
- 750 to 60K lbf
- 3.37 kN to 267 kN

3-Wire Amplified Tension & Compression Load Cells

OTHER LOAD CELLS

BPL Ultra Low Height
- Compression Only
- 50 lbf to 500 lbf
- 250 N to 2,500 N
- Self-Centering in all Directions
- High Output 4 mV/V

WSSCLC Stainless Steel
- Low Profile Compression
- Load Cell
- 220 lbf to 440.9K lbf
- 100 kg to 200 MT

WTS 1200 Standard Precision
- LowProfile® Wireless Load Cell
- 300 lbf to 2,000K lbf
- 1.33 kN to 8,896 kN

2000/2160/2200/2300
- Column and Canister
- Load Cells
- 50K lbf to 1M lbf
- 630 kN to 4,450 kN

A4200/A4600
- WeighCheck™ Load Cells
- 2.5 lbf to 50K lbf
- 11.1 kN to 222 kN

IPCD Pressure Compensated
- Downhole Load Cell
- High accuracy
- Maintenance free

REC Rod End
- 1K lbf to 50K lbf
- 5 kN to 220 kN

WSSCLC-MOUNT Weighing
- Assembly
- 220 lbf to 440.9K lbf
- 100 kg to 200 MT
MINI LOAD CELLS

ConvextBT/LBMU/LBM
Load Buttons
25 lbf to 50K lbf
0.11 kN to 130 kN

LW/LWPF1/LWPF2
Load Washer
5 lbf to 135K lbf
0.02 kN to 600 kN

MB/MBP/MBI Mini Beam
and Overload Protected
Mini Beam
2 lbf to 2500 lbf
10 N to 1.25 kN
Safe Overload to 10x Capacity

MBS Parallelogram Load Cell
2.2 lbf to 100 lbf
9.8 N to 445 N

MCC MCC Miniature
Compression Load Cell
112.4 lbf
500 N

PBLCL/PBLCL2/PBLCL3
Pillow Block Load Bearing Load Cell
1.1K lbf to 22.5K lbf
5 kN to 100 kN

SML Low Height S-Type
5 lbf to 2000 lbf
22 N to 9 kN
5 lbf, 10 lbf, 5 N, and 45 N Models
Feature 10x Overload Protection

SM S-Type
10 lbf to 100 lbf
50 N to 5000 N

SMT Overload
Protected S-Type
1.1 lbf to 450 lbf
5 N to 200 N
500% +1,000% FS Safe Overload

SMTM Micro S-Type
5 lbf to 50 lbf
20 N to 200 N
Micro-sized ¾” x ¾” x ¼”
1,000% Safe Overload

SPI Platform Scale Load Cell
3 lbf to 150 lbf
13.34 N to 667.2 N

SSB Sealed Beam
50 lbf to 10K lbf
222 N to 44.48 kN

SSS/SSM2 Sealed S-Type
50 lbf to 6K lbf
200 N to 25 kN
Available with Fatigue Rated Options

SuperSC S-Type
Miniature Load Cell
25 lbf to 1,000 lbf
100 N to 5 kN

ULC Ultra Low Capacity
0.11 lbf to 0.45 lbf
0.5 N to 2 N
Overload Protected

WMC/ WMCP/ WMCFP
Sealed Stainless Steel
1.1 lbf to 10K lbf
500 gf to 45 kN
Overload Protected
Male Threads

MULTI-AXIS SENSORS

WSSB Welded Stainless
Steel IP68 Environment
Protected S-Beam
551 lbf to 44.1K lbf
250 kg to 20 MT

3-Axis Force
Force: 0.45 lbf to 112K lbf
Force: 2 N to 500 kN

3AR Series Round
3-Axis Load Cells
Force: 2.2K lbf to 112K lbf
Force: 10 kN to 500 kN

6-Axis Force Torque
Force: 11.2 to 180K lbf
Torque: 8.85 lbf-in to 354K lbf-in
Force: 50 N to 800K N
Torque: 1 Nm to 40K Nm
**ROTARY TORQUE TRANSDUCERS**

**AT104** Compact Size Force and Torque Transducer
4.5/0.89 lbf/lbf-in & 11.2/4.4 lbf/lbf-in
20/0.1 N/Nm & 50/0.5 N/Nm

**AxialTQ®** Rotary Torque
885 lbf-in to 88.5K lbf-in
100 Nm to 10K Nm

**T1** Torque Coupling
400 lbf-in to 9K lbf-in
50 Nm to 1K Nm

**T27** Hollow Flange Bearingless
443 lbf-in to 8.85K lbf-in
50 Nm to 1K Nm

**T2/T4** Ultra and Standard Precision
0.88 lbf-in to 177K lbf-in
0.1 Nm to 20K Nm

**T3/T5** Ultra and Standard Precision Pedestal Mount
0.88 lbf-in to 177K lbf-in
0.1 Nm to 20K Nm

**T6/T7** Dual Range
44.3/4.43 lbf-in to 4.43K lbf-in to 443K lbf-in
5/0.5 Nm to 500/50 Nm

**T8/T18/T23** General Purpose
1.77 lbf-in to 4.43K lbf-in
0.2 Nm to 500 Nm

**T11** Bearingless
0.04 lbf-in to 1.327K lbf-in
0.005 Nm to 150 Nm

**T12/T15** Square Drive
0.88 lbf-in to 177K lbf-in
0.1 Nm to 5K Nm

**T22** Pulley Belt
177 lbf-in to 44K lbf-in
20 Nm to 5K Nm

**T25** High Speed
0.885 lbf-in to 44.3K lbf-in
0.1 Nm to 5K Nm
**REACTION TORQUE TRANSDUCERS**

- **T31, T32, T33, & T34**
  Spindle Torque
  8.85 lbf-in to 4.43K lbf-in
  1 Nm to 500 Nm
  Speeds Up to 2K RPM Integrated Speed/Angle Measurement

- **5330 Hollow Flange**
  60 lbf-in to 100K lbf-in
  6.8 Nm to 11.3K Nm

- **5400 Series Flange Style**
  1K lbf-in to 500K lbf-in
  110 Nm to 55K Nm

- **AT105 Contactless Force Torque Transducer**
  22.5/17.7 lbf/lbf-in 56.2/44.3 lbf/lbf-in & 112.4/44.3 lbf/lbf-in
  100/2 N/Nm 250/5N/Nm & 500/5 N/Nm

- **MRT/MRTP Miniature Reaction Torque Series**
  1.77 lbf-in to 177 lbf-in
  0.2 Nm to 2 Nm
  7x Overload Protected

- **MRT2/MRT2P Miniature Reaction Torque Series**
  1.77 lbf-in to 443 lbf-in
  0.2 Nm to 50 Nm
  3x Overload Protected

- **TS11 Flange Style**
  88.5 lbf-in to 177K lbf-in
  10 Nm to 20K Nm

- **TS12 Shaft Style**
  0.04 lbf-in to 177K lbf-in
  0.005 Nm to 20K Nm

**INSTRUMENTATIONS**

- **TS14/TS15/TS17**
  Square and Hex Drive
  1.77 lbf-in to 17.7K lbf-in
  0.2 Nm to 5K Nm

- **TSQ High Capacity Square Drive**
  300K lbf-in to 3,000K lbf-in
  34K Nm to 340K Nm

- **480/482 Bidirectional Weight Indicator**
  Digital
  Environmentally Protected

- **9330 High Speed Portable Display and Data Logger**
  3750Hz Peak Capture

**Other Instruments**

- **1280 Programmable Weight Indicator and Controller**
  Analog load cell scales
  Total scales
  Serial scales
  Program scales

- **920 Programmable Weight Indicator and Controller**
  32 scale accumulators
  Millivolt calibration
  5-point linearization and geographical calibration

- **9325 Portable Sensor Display**
  Digital
  Battery & USB Powered
  TEDS Ready

- **9812-WTS Wireless Panel Mount Display For Single Transmitters**
  Wireless communication
  Compatible with all WTS products

- **9825 General Purpose Indicator**
  General Purpose Instrument
  mV/V Input Indicator

- **9840 Intelligent Calibration Grade Digital Indicator**
  Stores Multiple Calibrations

- **9840-400-1-T-4 4-Channel Intelligent Indicator**
  Digital 4-Channel
  Intelligent Indicator

- **9840TQ mV/V Input Torque Transducer Indicator**
  Digital and Intelligent mV/V Input Torque Transducer Indicator
**CX Series** Precision mV/V Transfer Standard
- Precision mV/V Output
- Analog or Digital Output

**GS-SYS Gold Standard® Calibration System Load Frame**
- Capacities up to 100K lbf

**GS-SYS03 Gold Standard® Portable Load Cell Calibration System**
- Reduces Calibration Time 50-90%
- Automatic Calibration and Archiving

**GS-SYS04 Gold Standard® Portable E4 Machine Calibration System**
- Reduces Calibration Time 50-90%
- Automatic Calibration and Archiving

**IFVF Interface Force Verification Frame**
- Up to 5,000 lbf capacity
- Portable, Lightweight, and Accurate
- NIST Traceability
- ISO 17025 Accredited
- ASTM E74 Calibration
- TEDS - Plug & Play Ready
- USB Option Available
- Software Available

**Accessories**

**CT Cable Assemblies**
- For connecting transducers to instrumentation
- Standard and custom lengths
- Shielded cable

**CA Calibration Adapters**
- Improves accuracy
- Spherical end for compression loading
- Metric sizes available

**CLV Clevises**
- Precision machined
- Commonly used with REBs
- Male threads

**EVALUATOR 3 Interface Force Verification Frame**
- Used in testing, troubleshooting
- mV/V instrumentation

**JN Jam Nuts**
- Used with REBs, clevises and calibration adapters
- Flat, parallel surfaces
- Standard thread sizes

**LB Load Cell Load Buttons**
- Converts universal cell to compression only
- Spherical loading surface

**MC/CN Mating Connectors**
- Interconnects between load cell and instruments

**TP/BP Mounting Plates**
- Eliminates the requirement for expansion assemblies in most installations

**RCAL Resistors**
- Precision wire-wound
- 5 ppm/°C, 0.01%
- Used for shunt calibration

**REB Rod End Bearings**
- For tension applications
- Reduces alignment error
- Metric sizes available

**TA/THD Thread Adapters**
- Adapts male to female
- Common Interface thread sizes
- Adapts one thread size to another

**TEDS Interface Force Verification Frame**
- Provides Sensor with Electronic Identification
- Plug & Play Ready

**Accreditations**
- Interface is A2LA accredited (#1991.01)
- to perform the most accurate universal calibrations on all Interface and competitive force and torque transducers in 5 days

**Calibration and Repair Services**
- NIST Traceability
- ISO 17025 Accredited
- ASTM E74 Calibration
- ANSI/NCSL Z540
- MIL-STD-45662A
- ISO 376

**Interface force measurement products are available in many design configurations for project designs requiring the highest performance.**

**To learn more about the Interface products or force measurement solutions call 480-948-5555.**

www.interfaceforce.com
Interface is the world’s trusted leader in technology, design and manufacturing of force measurement solutions. Our clients include a “who’s who” of the aerospace, automotive and vehicle, medical device, energy, industrial manufacturing, test and measurement industries.

Interface engineers around the world are empowered to create high-level tools and solutions that deliver consistent, high quality performance. These products include load cells, torque transducers, multi-axis sensors, wireless telemetry, instrumentation and calibration equipment.

Interface, Inc., was founded in 1968 and is a US-based, woman-owned technology manufacturing company headquartered in Scottsdale, Arizona.