

Summary Catalog v1.2 08-11-2021



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



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



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



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



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



**1800 Platinum
Standard® Calibration**
1.1K lbf to 55K lbf
4.89 kN to 245 kN
Capable of 2% lower
load limit per ASTM E74



**Internally Amplified
Load Cells**



MB Mini Beam
5 lbf to 250 lbf
0.2 kN to 1.25 kN

MINI LOAD CELLS



**MBI Overload Protected
Mini Beam**
2 lbf to 10 lbf
10 N to 50 N
Safe Overload to 10x Capacity



**SPI Low Capacity
Platform Scale**
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



SM S-Type
10 lbf to 1000 lbf
50 N to 5000 N



SSM/SSM2 Sealed S-Type
50 lbf to 5K lbf
200 N to 25 kN
Available with Fatigue Rated Options



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



SMTM Micro S-Type
5 lbf to 50 lbf
20 N to 200 N
Micro-sized 3/4" x 3/4" x 1/4"
1,000% Safe Overload



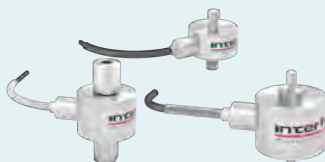
**SMT Overload
Protected S-Type**
1.1 lbf to 450 lbf
5 N to 2000 N
500% +1,000% FS Safe Overload

MINI LOAD CELLS CONTINUED



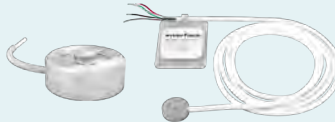
SML Low Height S-Type

5 lbf to 2000 lbf
22 N to 9 kN
5 lbf, 10 lbf, 5 N, and 45 N Models
Feature 10x Overload Protection



WMC/ WMCP/ WMCFP Sealed Stainless Steel

1.1 lbf to 10K lbf
500 gf to 45 kN
Overload Protected
Male Threads



ConvextBT/LBMU/LBM

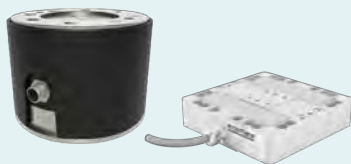
Load Buttons
25 lbf to 50K lbf
0.11 kN to 130 kN



LW/LWPF1/LWPF2

Load Washer
5 lbf to 135K lbf
0.02 kN to 600 kN

MULTI-AXIS SENSORS



3-Axis Force

Force: 4.5 lbf to 112K lbf
Force: 10 N to 500 kN



6-Axis Force Torque

Force: 11.2 to 22.5K lbf
Torque: 8.85 lbf-in to 88.5K lbf-in
Force: 50 N to 100K N
Torque: 1 Nm to 10K Nm



1216/1516/2816 Axial Torsion

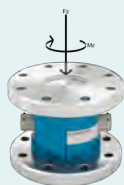
Force: 100 to 15K lbf
Torque: 50 to 7.5K lbf-in
Force: 1.11 to 66.7 kN
Torque: 5.6 to 847 Nm
Fz, Mz



5200 XYZ Force and Moment

Force: 1K to 50K lbf
Moment: 400 to 20K lbf-in
Force: 4.45 to 222 kN
Moment: 45.2 to 2.26K Nm
Fz, Mx, My

OTHER LOAD CELLS



5600 2-Axis Axial Torsion

Force: 6K to 180K lbf
Torque: 5K to 300 lbf-in
Force: 27 to 800 kN
Torque: 560 to 33K Nm
Fz, Mz



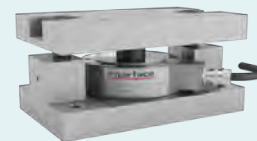
2000/2160/2200/2300 Column and Canister Load Cells

50K lbf to 1M lbf
630 kN to 4450 kN



REC Rod End

1K lbf to 50K lbf
5 kN to 220 kN



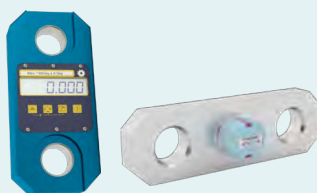
A4200/A4600 Tank Weighing Zinc Plated and Stainless Steel

2.5 lbf to 50K lbf
11.1 kN to 222 kN



LP/WTSLP Load Pins

Up to 3,000K lbf
Up to 13.3 kN
Custom Designs Available with
Amplification, Submersible,
Wireless, and ATEX Options



ISITL/WTSL Tension Links

11K lbf to 220.4K lbf
5 mt to 100 mt
Custom Designs Available with
Amplification, Submersible,
Wireless, and ATEX Options



ISHK/WTSSHK Load Shackles

2.2K lbf to 2,205K lbf
1 mt to 1K mt
Available with Amplification,
Submersible, Wireless,
and ATEX Options



3410/3420/3416/3430 Intrinsically Safe Load Cells

750 to 60K lbf
3.37 kN to 267 kN



ROTARY TORQUE TRANSDUCERS



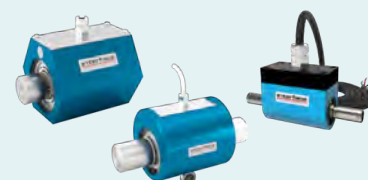
**T2/T4 Ultra and
Standard Precision**
0.88 lbf-in to 177K lbf-in
0.1 Nm to 20K Nm



**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

ROTARY TORQUE CONTINUED TRANSDUCERS



T25 High Speed
0.885 lbf-in to 44.3K lbf-in
0.1 Nm to 5K 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
High Roldal



**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



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



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



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



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

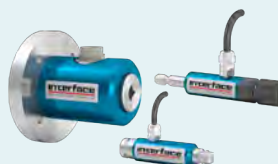
REACTION TORQUE TRANSDUCERS



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



**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



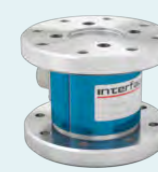
**MRT/MRTP Miniature
Reaction Torque Series**
1.77 lbf-in to 177 lbf-in
0.2 Nm to 2 Nm
7x Overload Protected



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



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

INSTRUMENTATIONS



**WTS Wireless
Telemetry System**



**BTS Bluetooth
Telemetry System**
Bluetooth Strain
Gage Transmitter



**BX8 Data Acquisition
and Amplifier System**
8 Channel



**BSC4 Multi-Channel Bridge
Amplifier or PC
Interface Module**
4 Channel



INSTRUMENTATIONS CONTINUED



INF-USB3/SI-USB

PC Input Module

Single and Dual Channel
mV/V, VDC, or mA Input



9330 High Speed Portable Display and Data Logger

3750Hz Peak Capture



9890 Strain Gage, Load Cell, and mV/V Indicator

mV/V Input Indicator



9894 Analog Input Process Indicator

Analog Input Process Indicator



9870 High-Speed High Performance TEDS Ready Indicator

High Speed
Digital



9320 Handheld Indicator



480 Bidirectional Weight Indicator



9840 Intelligent Calibration Grade Digital Indicator

Stores Multiple Calibrations



SGA AC/DC Powered Signal Conditioner with Selectable Outputs and Filtering



VSC 10-28 VDC Powered Signal Conditioner Good for Vehicles



DMA2/ISG DIN Rail Mount Signal Conditioner



CSC/LCSC Environmentally Sealed OEM Inline Signal Conditioner

Analog or Digital Output

CALIBRATION



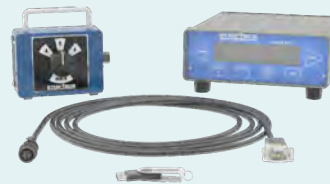
GS-SYS Gold Standard® Calibration System Load Frame

Capacities up to 100K lbf



IFVF Interface Force Verification Frame

Up to 5,000 lbf capacity
Portable, Lightweight,
and Accurate



GS-SYS03/04 Gold Standard® Portable Calibration System

Reduces Calibration Time 50-90%
Automatic Calibration
and Archiving
Custom Report Writer



CX Series Precision mV/V Transfer Standard

Precision mV/V Output
Analog or Digital Output

Calibration and Repair Services

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

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



Cert #1991.01



TEDS - Plug & Play Ready



USB Option Available



Software Available

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.

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