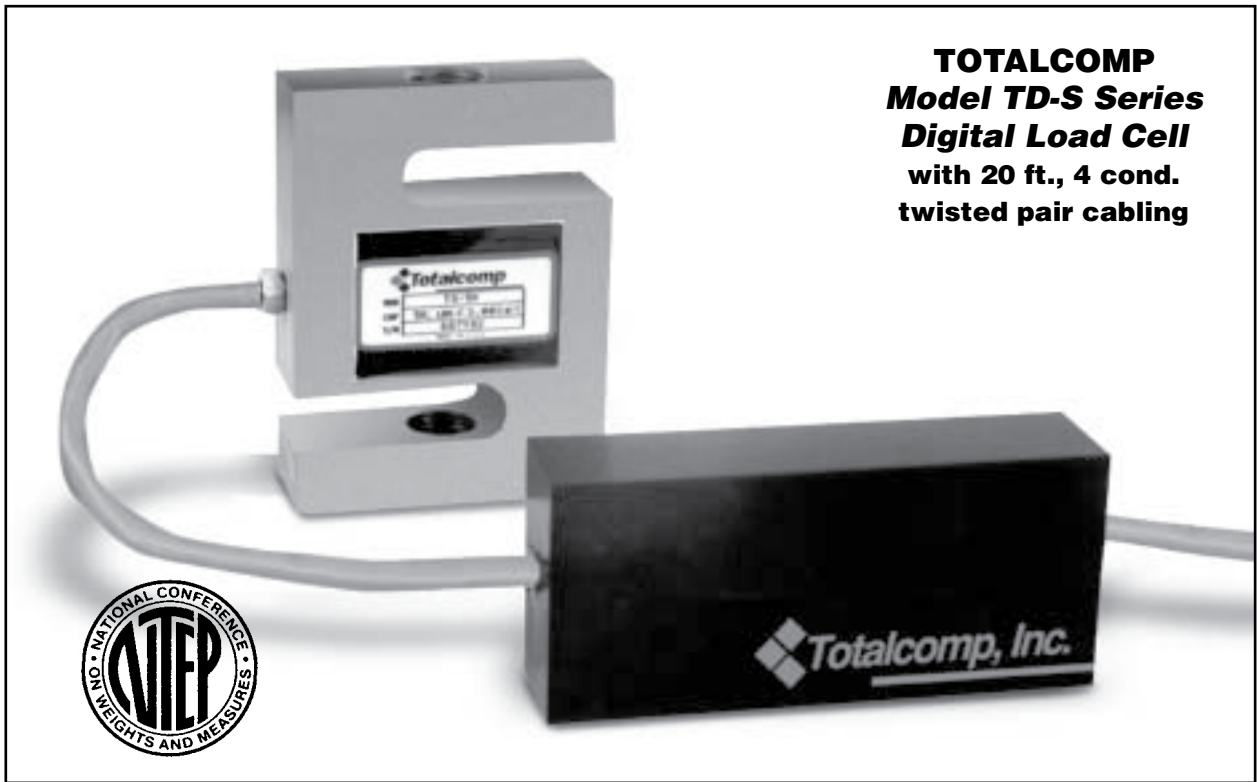


TD-S

DIGITAL S-TYPE LOAD CELL



TOTALCOMP
Model TD-S Series
Digital Load Cell
with 20 ft., 4 cond.
twisted pair cabling

Amazing Digital Output Load Cell with Advanced Load Cell Protocol.



- ✓ **Amazing 400,000 count output.**
- ✓ **Faster, more efficient "load cell active" communications cuts service time significantly.**
- ✓ **Environmentally sealed, rugged steel construction load cell available in Stainless or Nickel Finish.**
- ✓ **RS485 with twisted pair cabling for flawless communication over greater distances than ever before.**
- ✓ **NTEP Certified**

LOOK FOR THIS LOGO



Totalcomp[®] Scales & Components

99 Reagent Lane • Fair Lawn, New Jersey 07410

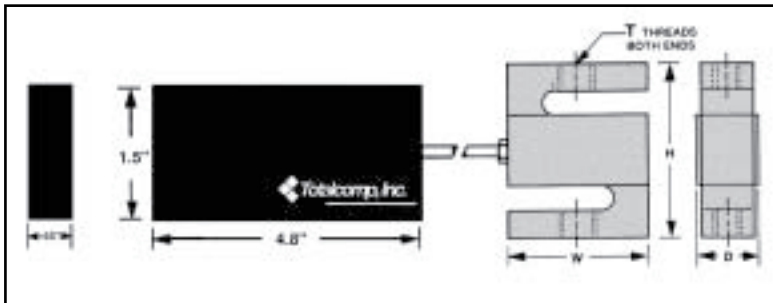
Fax: 201-797-2287 • Toll Free Fax: 888-797-2288 • Phone: 201-797-2718 • Toll Free Phone: 800-631-0347

Email: sales@totalcomp.com • Website: www.totalcomp.com

MODEL TD-S DIGITAL LOAD CELL WITH ADVANCED LOAD CELL PROTOCOL

Capacity	SPECIFICATIONS*			PART NO.		
	H	W	D	T-Thread	Nickel Plated	Stainless Steel
25	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-25	TD-S-25-SS
50	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-50	TD-S-50-SS
75	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-75	TD-S-75-SS
100	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-100	TD-S-100-SS
150	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-150	TD-S-150-SS
200	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-200	TD-S-200-SS
250	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-250	TD-S-250-SS
300	2.50	2.00	.75	1/4 -28 UNF-2B	TD-S-300	TD-S-300-SS
500	2.50	2.00	1.00	1/2 -20 UNF-2B	TD-S-500	TD-S-500-SS
750	2.50	2.00	1.00	1/2 -20 UNF-2B	TD-S-750	TD-S-750-SS
1,000	2.50	2.00	1.00	1/2 -20 UNF-2B	TD-S-1K	TD-S-1K-SS
1,500	2.50	2.00	1.00	1/2 -20 UNF-2B	TD-S-1.5K	TD-S-1.5K-SS
2,000	2.50	2.00	1.25	1/2 -20 UNF-2B	TD-S-2K	TD-S-2K-SS
2,500	2.50	2.00	1.25	1/2 -20 UNF-2B	TD-S-2.5K	TD-S-2.5K-SS
3,000	4.00	3.00	1.25	1/2 -20 UNF-2B	TD-S-3K	TD-S-3K-SS
5,000	4.00	3.00	1.25	3/4 -16 UNF-2B	TD-S-5K	TD-S-5K-SS
10,000	4.00	3.00	1.25	3/4 -16 UNF-2B	TD-S-10K	TD-S-10K-SS
15,000	5.50	4.00	1.50	1 -14 UNF	TD-S-15K	TD-S-15K-SS
20,000	7.00	5.00	2.25	1 -1/4 - 12 UNF	TD-S-20K	TD-S-20K-SS

*Specifications do not include the size of the digital controller unit, which measures 4.8" x 1.5" x .65" and is hard wired approximately 12" from the load cell.



Safe Overload
150% of rated capacity

Rated Output
400,000 counts

Nonlinearity
±0.01% FSO

Hysteresis
±0.02% FSO

Non-Repeatability
±0.01% FSO

Zero Balance
±5 ppm / °C maximum

Required Power
12VDC, 125 max.

Temperature Safe Range
-30° to + 175°F

Compensated Range
-35° to + 80°C

Compensated Range
+15° to + 105°F

Compensated Range
-10° to + 40°C

Temperature effect Zero
0.0005%/FSO °F

Temperature Effect on Rated Output
±5 ppm / °C maximum

Element Material/ Finish
Nickel Plated or Stainless Steel

Cable Length & Type
20 foot, 4 conductor, twisted pair

Communication
RS485, 19,200 baud, 8 bits, no parity, 2 stop bits. Total of 10 per byte.

Cable Color Code
Red & Black+ 12vdc
White & BlackRS 485

“Load Cell #6, REPORTING FOR DUTY”

Totalcomp's revolutionary Digital Load Cells actively respond to the query of the indicator. The task of performance monitoring is now as simple as asking "how are you doing?".

Each Digital Load Cell comes to you programmed with its own address with up to 256 possible addresses. This allows the load cell to respond directly and sequentially to any indicator with the **Advanced Load Cell Protocol (ALCP)**.

Additional features of the TD-S Load cells:

- **Easy 4-wire hook-up**
Digital communication eliminates the need for sense wires.
- **Effortless long-distance communications!**
Internal excitation, twisted pair cabling, and RS485 make longer wiring runs operate flawlessly.
- **Cut servicing time IN HALF!**
Advanced Load Cell Protocol allows you to simply ask each load cell for a response. Each load cell answers you sequentially. Pinpointing problems is fast, sure and comprehensive.
- **Everybody speaks only when spoken to!**
Each load cell comes pre-programmed with its own individual address (beginning with 01). Ask each load cell to respond either individually or sequentially -never at the same time!
- **Advanced Load Cell Protocol**
Each ALCP component has the ability to send and receive signals. Using an ALCP Digital Sensor Simulator, load cells are monitored and addresses can be changed.

TOTALCOMP LIMITED WARRANTY

Totalcomp warrants this product to be free of defects in materials and/or workmanship and suitable for the purpose(s) intended as outlined on this sheet. This warranty is effective and shall cover the purchaser for one year from the date of shipment from our plant. If this product is found to be defective by our inspection in accordance with the above listed criteria, we will replace or repair it at our expense. For warranty service, please obtain a return authorization number from us and return the item, shipping prepaid, with a written description of the problem. We will respond promptly with the results of our evaluation.



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