



We measure your success

FEATURES

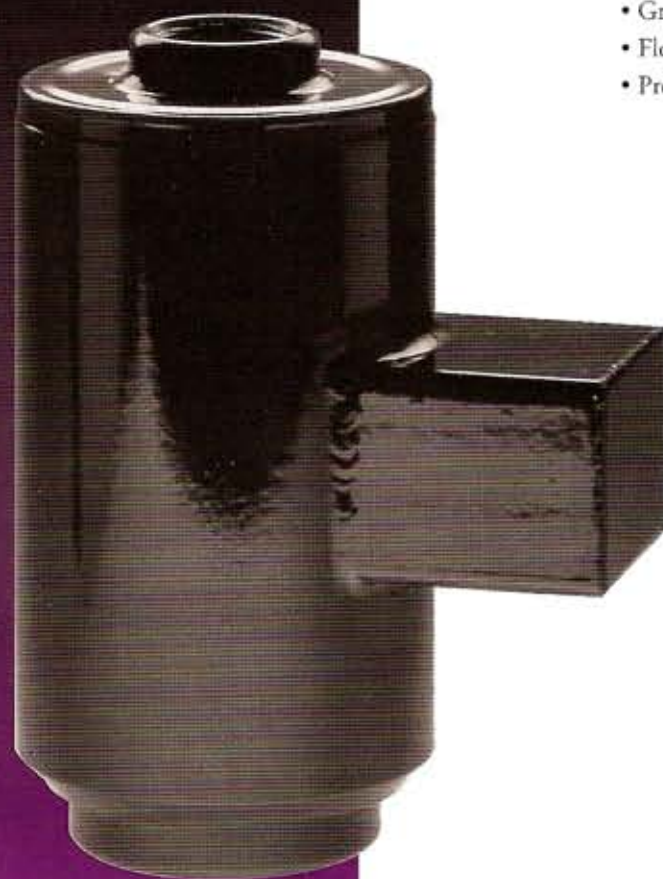
- Capacity range of 100 to 300K pounds
- Epoxy coated steel case or stainless steel construction
- Hermetically sealed
- Designed for tension and compression
- Optional dual bridge
- Conduit adapter optional
- Autobarometric compensation
- Operational temperature range of -65° F to +200° F
- Factory Mutual approved for intrinsic safety
- 3 year warranty
- NTEP certification pending

REVERE TRANSDUCERS

MODEL USP TENSION AND COMPRESSION CANISTER

APPLICATIONS

- Tank & hopper weighing
- Grain scales
- Floor scales
- Process weighing



NORTH AMERICA

14192 Franklin Avenue
Tustin, CA 92780, USA
Tel: (800) 872-4784
(714) 731-1234
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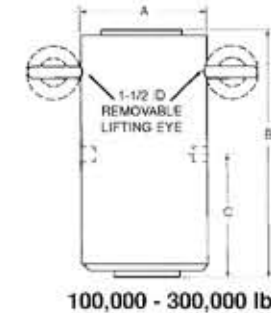
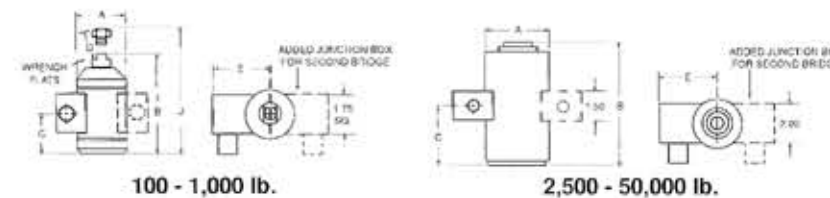
MODEL USP TECHNICAL SPECIFICATIONS

Model	D3
Capacities (lb)	100, 250, 500, 1000, 2.5K, 5K, 10K, 25K, 50K, 100K, 200K, 300K
Maximum # of divisions	3000
Excitation (VDC or VAC rms)	10 Nom, 15 Max.
Rated Output (mV/V)	3±0.1%
Zero Balance (%FS)	1.0
Resistance: Input (ohms)	350±3.5
Output (ohms)	350±3.5
Insulation (megaohms)	5000 @ 50VDC
Combined Error (%FS) ¹	0.05
Non-Repeatability (%FS)	0.02
Creep (% Ld/4 hrs)	0.03
Temp. Effect: Output [%Ld/°F (%LD/5°C)] ²	0.0008 (0.0072)
Zero [%FS/°F (%FS/5°C)] ²	0.0015 (0.014)
Temp. Range: Compensated [°F (°C)]	0 to 150 (-15 to 65)
Operating [°F (°C)] ³	-65 to 200 (-50 to 90)
Safe Overload (%FS)	150
Ultimate Overload (%FS)	225
Safe Sideload (%FS)	10
Barometric Effect (lbs/psi)	Negligible
Accuracy Class, Designation	D3

1. The maximum deviation for both increasing and decreasing load from a straight line between no load and rated load at constant temperature. Includes effects of nonlinearity and hysteresis.

2. 200K/300K and all double bridge: 0.002%/°F, 0.0011/°C.
3. -65 to +400°F available, other specifications apply; contact factory.

OUTLINE DRAWING AND WIRING



Standard Bridge Termination

WIRING	
FUNCTION	COLOR
+Output	White
-Output	Red
+Excitation	Green
-Excitation	Black
Shield	Bare

Dimensions in Inches (Millimeters)

Capacity (Lb)	Approx. Weight (Lb)	A	B	C	D	E	H-Thread		J	Max. Deflec. @ Rated Cap.
							Size & Class	Depth (Min.)		
100*	2	2.00 (51)	3.32 (84)	1.70 (43)	.75 (19)	2.26 (57)	3/8" - 24 UNF-3B	0.37 (9.4)	3.57 (91)	.005 (.127) nominal
250*	4	2.50 (64)	4.45 (113)	2.20 (56)	.75 (19)	2.31 (59)	3/8" - 24 UNF-3B	0.37 (9.4)	4.70 (119)	
500*	4	2.50 (64)	4.45 (113)	2.20 (56)	2.00 (51)	2.31 (59)	1/2" - 20 UNF-3B	0.50 (12.7)	4.82 (122)	
1,000*	4	2.50 (64)	4.45 (113)	2.20 (56)	2.00 (51)	2.31 (59)	1/2" - 20 UNF-3B	0.50 (12.7)	4.82 (122)	
2,500*	2	2.25 (57)	3.00 (76)	1.56 (40)	-	2.69 (68)	1/2" - 20 UNF-3B	0.50 (12.7)	-	
5,000	8	3.00 (76)	5.75 (146)	2.81 (71)	-	3.06 (78)	1" - 14 UNS-3B	1.31 (33)	-	
10,000	8	3.00 (76)	5.75 (146)	2.81 (71)	-	3.06 (78)	1" - 14 UNS-3B	1.31 (33)	-	
25,000	20	4.00 (102)	8.38 (213)	5.87 (149)	-	3.56 (91)	1 1/2" - 12 UNF-3B	1.80 (46)	-	
50,000	55	6.25 (159)	11.44 (291)	5.72 (145)	-	4.68 (119)	2" - 12 UN-3B	2.43 (62)	-	
100,000+	90	9.00 (229)	17.75 (451)	8.87 (225)	-	□	3" - 8 UN-3B	3.62 (92)	-	
200,000+	125	10.00 (254)	20.00 (508)	9.75 (248)	-	□	4" - 8 UN-3B	4.00 (102)	-	
300,000+	125	10.00 (254)	20.00 (508)	9.75 (248)	-	□	4" - 8 UN-3B	4.00 (102)	-	