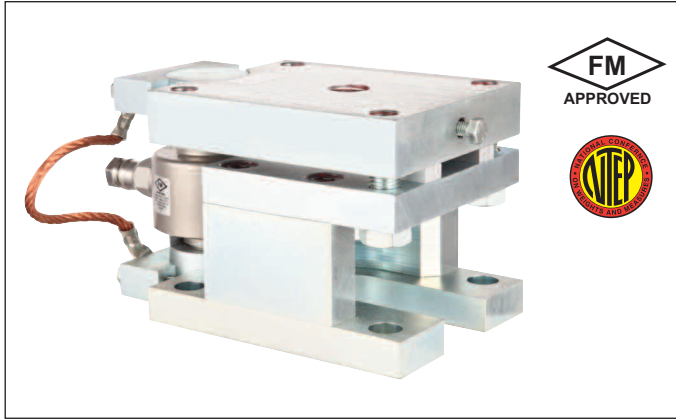


FAIRBANKS®

OMNICELL® 9120 SERIES WEIGHING ASSEMBLY



Fairbanks' 9120 Series Omnicells are for vessels with mid-range to extremely high capacities. The durability and ease of installation of these weighing assemblies are unparalleled. They use the proven stainless steel rocker column load cells that can withstand almost any application requirements.

APPLICATIONS

- Fly ash bins
- Cement tanks
- Lime silos
- Medium to ultra-heavy capacity weighing
- Level and inventory monitoring

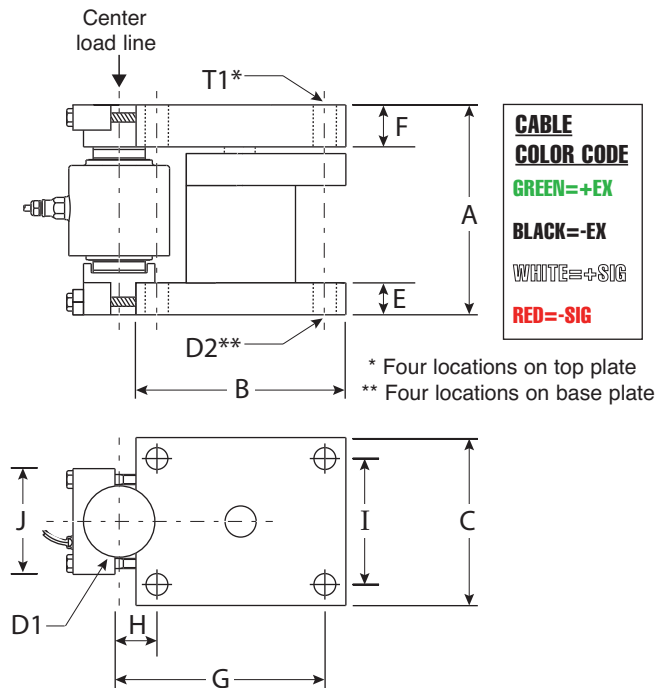
FEATURES

- Capacity range from 7.5 t to 100 t – standard product (higher capacities available)
- Self-Checking
- High-grade stainless steel load cell construction
- Hermetically sealed load cell
- Rocker column load cells ensure accurate, repeatable loads
- Mild steel mounting assemblies
- Easy mount installation, weld or via fasteners
- Minimal service required (patented load cell technology)
- NTEP (legal-for-trade) and Factory Mutual approved
- Stainless mounts available through Fairbanks' Solutions Group.

PERFORMANCE SPECIFICATIONS

Capacities	7.5 t to 100 t
Mount construction	Zinc-plated mild steel/ cast mild steel (50 t & 100 t)
Load cell:	
Full scale output (FS)	2.0 mV/V/ohm ± 0.1%
Combined error	≤ 0.02% FS
Non-linearity	≤ 0.05% FS
Creep error (20 min.)	≤ 0.03% FS
Compensated temperature	14° F to 104° F (-10° C to 40° C)
Excitation voltage	5-15 VDC
Overload	Safe = 150%; Ultimate = 300%
Sideload.	25% (min) on 50 t capacity ≤; 15% (min) on 100 t capacity
Uplift	50% (min) on 50 t capacity ≤; 30% (min) on 100 t capacity
Bridge resistance	1000 ohms nominal
Construction	Stainless steel 17-4 PH
Sealing	IP68/IP69K
Cable	Polyurethane: 40 ft. on capacities ≤ 22.5 t; 60 ft. on capacities ≥ 30 t
Approvals	NTEP #97-078, Factory Mutual

DIMENSIONS



DIMENSIONAL REFERENCE CHART (IN INCHES*)

Capacity (metric tons)	A	B	C	D1	D2	E	F	G	H	I	J	T1
7.5 t / 15 t / 22.5 t	5.12	6.53	5.12	1.97	0.69	0.79	1.18	6.10	0.98	3.93	3.15	M16
30 t / 40 t	7.87	8.26	5.90	2.36	0.87	1.14	1.57	7.87	1.18	4.33	3.93	M20
50 t / 100 t	9.84	9.84	7.87	3.35	1.02	1.49	1.97	9.65	1.77	5.90	5.12	M24

* Other than column T1

QuickFacts™

Models and specifications subject to change without notice.
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