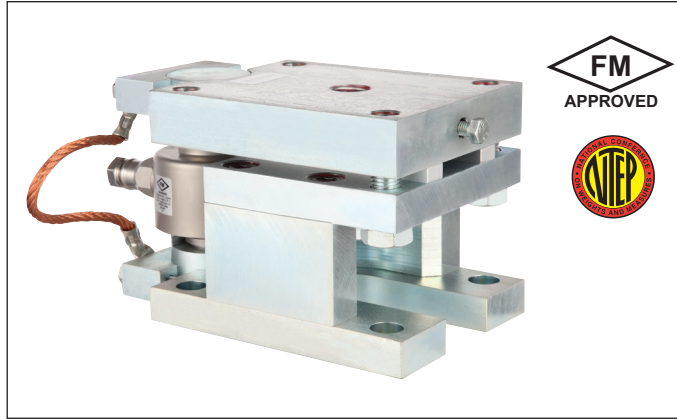


FAIRBANKS®

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.

DIMENSIONAL REFERENCE CHART (IN INCHES*)

* Other than column T1

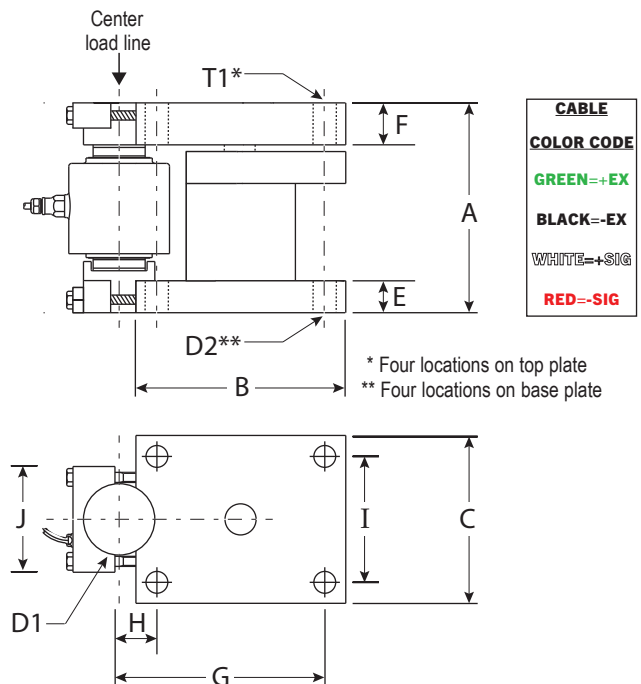
Capacity (metric tons)	A	B	C	D1	D2	E	F	G	H	I	J	T1
7.5 t / 15 t / 22.5 t	5.12	6.53	5.12	1.97	0.69	0.79	1.18	6.10	0.98	3.93	3.15	M16
30 t / 40 t	7.87	8.26	5.90	2.36	0.87	1.14	1.57	7.87	1.18	4.33	3.93	M20
50 t / 100 t	9.84	9.84	7.87	3.35	1.02	1.49	1.97	9.65	1.77	5.90	5.12	M24

PERFORMANCE SPECIFICATIONS

Capacities.....	7.5 t to 100 t
Mount construction.....	Zinc-plated mild steel; Polyurethane coated cast mild steel (50 t & 100 t mounts)
Load cell:	
Full scale output (FS).....	2.0 mV/V/ohm $\pm$ 0.1%
Combined error.....	$\leq$ 0.02% FS
Non-linearity.....	$\leq$ 0.05% FS
Creep error (20 min.).....	$\leq$ 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 $\leq$; 15% (min) on 100 t capacity
Uplift.....	50% (min) on 50 t capacity $\leq$; 30% (min) on 100 t capacity
Bridge resistance.....	1000 ohms nominal
Construction.....	Stainless steel 17-4 PH
Sealing.....	IP69K
Cable.....	Polyurethane: 40 ft. on capacities $\leq$ 22.5 t; 60 ft. on capacities $\geq$ 30 t
Approvals.....	NTEP #97-078, Factory Mutual

Note: t = metric ton. One metric ton equals 2,204.62 pounds.

DIMENSIONS



QuickFacts™

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Fairbanks.com

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