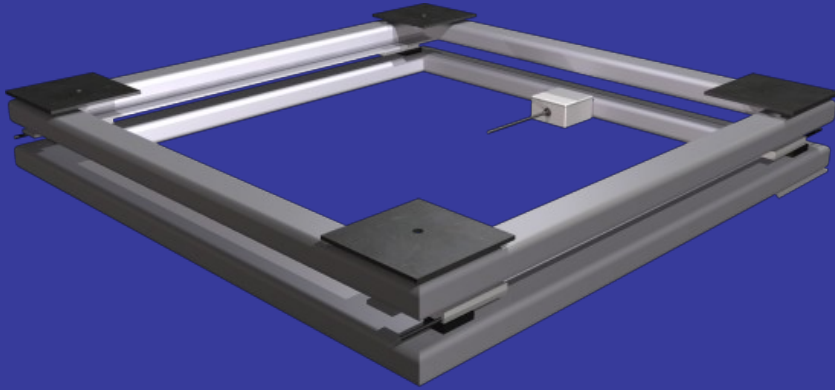


UWF

Universal Weigh Frame



Features

- Factory assembled and calibrated
- Direct mounting of the vessel to the frame
- Stay rods not required
- Freedom to locate the vessel legs as required
- Easy installation

UWF

Description

The Eagle Microsystems model UWF Universal Weigh Frame is an adaptable design that allows the user to specify the best physical size to suit his requirement. The Universal Weigh Frame can just as easily be made rectangular, as it can be made square, making it suitable for rectangular hopper scales. The user can specify the optional shroud that will convert the frame to a floor scale or a shallow pit scale. Without the shroud, the middle of the frame is free of all obstructions, and permits the user to either run piping through the center, or have the vessel extend through the floor. The Universal Weigh Frame can accommodate flat bottom or conical bottom vessels. The Universal Weigh Frame is readily adaptable to vessels that incorporate three or four legs, or tank lugs.

The UWF is factory assembled and calibrated. The electrical junction of the load cells is protected by a NEMA 4X enclosure. The load cell mounts are parallel machined surfaces ensuring mechanical and eccentric load cell errors are eliminated. The frames are made of the same material eliminating errors due to thermal expansion. Overload stops and shock isolators protect the load cells from adverse loading conditions. Any service of the load cells can be accomplished without removing the vessel from the frame itself.

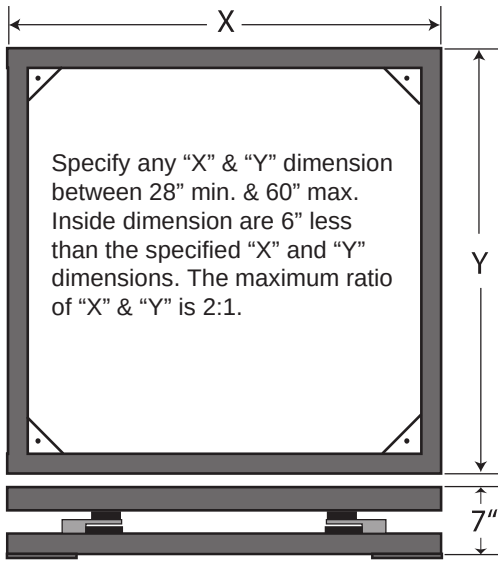
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UWFE

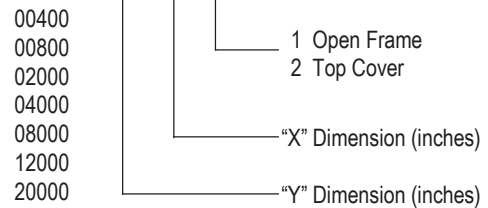
Universal Weigh Frame

| Specifications | |
|------------------------|-----------------------------|
| Performance | |
| Operating accuracy | 0.1% capacity |
| Nominal output | 3mV/V +/- 0.25% |
| Nonlinearity | 0.03% capacity |
| Repeatability | 0.02% capacity |
| Hysteresis | 0.02% capacity |
| Temperature | |
| Compensated range | 0-150° F |
| Effect on zero balance | .0015% of load / °F |
| Effect on rated output | .0008% of rated output / °F |
| Load | |
| Safe overload | 200% of capacity |
| Maximum unit load | 100 psi |
| Electrical | |
| Load sensing element | S.S. Shear beam |
| Zero balance | 1% capacity |
| Electrical connection | 15 ft. of 6 conductor cable |
| Material | |
| Frames | Cold rolled steel |
| Load Cells | 17-4 Stainless |
| Shock isolator | Fabreeka® |
| Hardware | Stainless steel |



Ordering Information

UFW-XXXXX-XX-XX-X



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