

**FEATURES**

- **All electronic**
- **No hydraulic hysteresis or drift**
- **Directly interchangeable with hydraulic load cells**
- **Rugged stainless steel strain gage load cell**
- **Simple to install**
- **Easy to maintain**
- **Capacities – 4000 to 16000 lbs**

DESCRIPTION

The Eagle Microsystems Model HC1000 Hydraulic-to-Electronic Conversion Assembly is an electronic load cell replacement for hydraulic load cells used in ton container scales. The assembly has no moving parts and is immune to drifting problems associated with hydraulic load cells. Used with Eagle digital instrumentation the assembly inherently provides the capabilities of:

- Digital displays
- Low weight alarms
- Direct interface to remote instrumentation and computers or PLCs
- Improved weighing accuracy

HC Performance Specifications Load Cell Accuracy 0.25% Capacity Non-linearity <+/- 0.04% FS Typ Hysteresis <+/- 0.04% FS or better Overload Rating 250% Rated Capacity		Physical Capacity 4000 to 16000 lbs Weight 6 lbs Load Cell Material Stainless Steel	
Environmental Zero Temp. Error .0025% Cap./degree F. Max .005% Reading/degree F. Max Span Temp. Error Comp. Temp. Range 14 to 104 degrees F. Operating Temp. Range -4 to 149 degrees F.		Wiring Color Codes Green + Excitation White + Signal Red -Signal Black +Signal Yellow Shield	
Electrical Output 2 mV/V @FS (Nom.) Excitation Voltage 5 to 15 Volts DC Input Resistance 1100 +/-50 Ohms Output Resistance 1000 +/-2 Ohms		NOTE: System accuracy is dependent on the structural design of the scale and will generally be limited to +/-0.5% of rated capacity.	

