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Stellar Technology, Inc.: Fatigue Rated Load Cell Features 100-million Cycle Lifetime

Tuesday, June 03, 2008

Stellar Technology's Model PNC740 is a fatigue rated load cell which delivers up to 0.03% (BFSL) accuracy over a 100 million cycle lifetime. Versatile enough to handle ranges from 250 lb to 100,000 lb and survive in temperatures from -65° to 250°F, the PNC740 is the ideal solution for aerospace testing, automotive test stands, industrial control, land-based and offshore oil & gas production, or any heavy duty application that calls for a reliable, no-nonsense load cell.

Each Model PNC740 is barometrically compensated to minimize zero shift due to atmospheric conditions and has a standard output of 2mV/V. The compensated temperature range is from 15°F to 115°F. All electronics are shock and vibration protected, and the heavy duty stainless steel connectors feature connector pins that are gold plated, with hermetic glass-to-metal construction.

The PNC740 reflects the industry standard low profile 'pancake' design and mounting holes for drop-in replacement flexibility. These stainless steel units are fully welded and feature a static overload capacity of 200% FSO to handle the most punishing applications. The sturdy construction also reduces off-axis loading sensitivity to 0.25%. PNC740 is available in tension and/or compression configurations when mated with the optional pull base, and is available with a variety of non-standard variations to meet your needs.



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