

B-TEK provides digital load cells for cell replacement on existing scale

A White paper illustrating B-TEK Scales, LLC ability to create custom scale solutions for various industries

March 2010

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B-TEK Scales, LLC. provides digital technology in many formats, but leading the way is the CPD-M digital load cell. In association with Brechbuhler Scales and their Fort Wayne, Indiana branch, these scale companies tackled a common scale issue; replacing analog load cells on an existing motor truck scale. The company that owned the scale is an aluminum foundry that makes automobile parts. The original double ended shear beam analog load cells, typical cells found on a motor truck scale, were replaced with the state-of-the-art CPD-M load cell. The CPD-M stainless steel housing is hermetically sealed and impervious to water. Built-in, fast acting protection devices guard against damage from surge voltage and lightning events. The CPD-M digital load cell offers robust construction and measurement technology far superior to traditional analog output load cells. Continuous diagnostic self-checks and instantaneous adjustments to environmental changes, insures error-free performance, superior accuracy and excellent long-term measurement stability. Analog scale owners would see tremendous advantages with digital data transmissions. Other advantages not experienced with a current analog load cell signals are easier scale maintenance and real-time scale monitoring.



Figure 1 old load cell



Figure 2 close up of old load cell

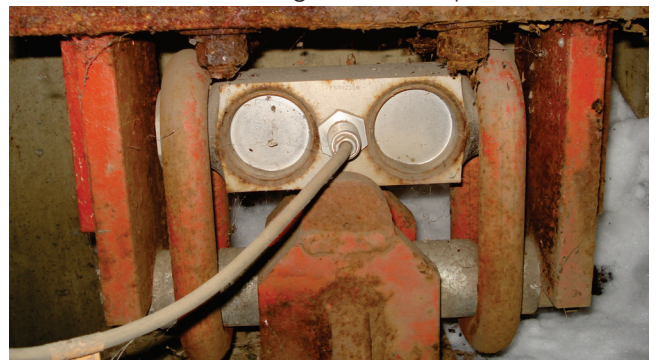


Figure 3 constraints of space for installation

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Digital load cells provide those features plus scale diagnostics, higher load cell protection and cell reliability. Brechbuhler's Fort Wayne branch also installed the B-TEK D410 indicator. The digital D410 indicator features a numeric keypad and high visibility LCD display in a compact desktop model. The D410 offers an outstanding array of built-in functions and the ease of full text based prompts and programming. Brechbuhler's eighty-plus years of scale service equips them with the knowledge to perform this retrofit with precision and ease. B-TEK Scales offers a vast array of digital component and accessories so companies can experience the benefits of digital technology. The data gathered through the a digital signal is also easier to manipulate and use for your company. Installation normally can be performed in one day and downtime is minimal. The rewards of a digital load cell are measurable immediately, making the replacement of your load cells a solution you should consider. B-TEK Scales, LLC has over 95 combined years of scale experience to offer in support of your weighing equipment needs. B-TEK is your first choice in cutting edge scale technology and customer service. For more information on this or other B-TEK projects, please contact us at 1-800-266-8900.



Figure 4 newly installed digital load cell



Figure 5 close up of load cell



Figure 6 constraints of space for installation