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Interface Inc. Adds ATEX Approved Load Cells for Oil & Gas Field Use

Model 3400 series load cells provide 100% stainless steel with amplification for use in intrinsically safe environments

PHOENIX — May 2011 — Interface Inc. announces their new [Model 3400 Intrinsically Safe Family of Load Cells](#). This all stainless steel construction load cell provides a sealed connector and signal amplification that provides IP68 environmental protection and meets explosion



protection by Intrinsic Safety per [ATEX](#) Zone 1 designation, II 2 G Ex ib IIC T4.

The CE Certified 3400 series load cell models are specially designed with **loop-powered intrinsically safe amplified output** for use in oil fields and other

hazardous locations. These load cells are derived from other proven Interface models by adding high resistance strain gages for low current loop power and shielded internal amplifier for extra low emissions and minimal EMI susceptibility.

The Model 3400 Intrinsically Safe Load Cells represent a family of load cells of **various capacities, from 100 to 100K lbf**, all with the same internal 4-20 mA loop powered amplifier and 4000-5000 ohm strain gage bridge values.

“Our ATEX approved product family gives Interface the unique ability to accommodate hazardous environments that our prevalent in the **Oil & Gas market**. The model 3400 series helps round-out our entire load cell and torque product offering for this critically important industry. These products satisfy a real need by our customers who require a robust product designed to withstand the

harsh environment in these applications while providing mechanical accuracy. The 4-20mA output inherent to the intrinsically safe amplifier also provides a signal that is safe for use in explosive environments and impervious to long cable lengths”, stated Mr. Grant Shaffer, National Sales Manager for Interface.

The Interface line of Intrinsically Safe products consists of the following models:

- 3400 Tension and Compression Low Profile load cell,
- 3400 Compression Only Low Profile load cell,
- Tension-Compression Column Type load cell,
- Model 3461 and 3462 Load Pins,
- 3401 Compression Beam,
- 3403 Tension Link

All of these product models are available for delivery and can be viewed on the Interface website

[Interface Inc.](#) has been the trusted world leader in force measurement for half a century.

We lead by designing, manufacturing, and guaranteeing the highest performance and most accurate products available. Our engineers help provide force measurement solutions to our customers in all industries – from grams to millions of pounds – and hundreds of configurations.

Interface is a preeminent supplier of load and torque sensors to companies such as Boeing, Airbus, NASA, Ford, GM, Johnson & Johnson, NIST and thousands of measurement labs throughout the world. Our load cells are complimented by highly accurate torque transducers, machine calibration systems, digital indicators, software, and force measurement system components - which we manufacture and sell throughout the world. Our in-house calibration labs support a variety test standards: ASTM E74, ISO-376, MIL-STD, EN10002-3, and others.

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For more information about availability and applications:

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For Interface Intrinsically Safe product drawings and datasheets:

<http://www.interfaceforce.com/IntrinsicallySafe>

For more information about Interface Inc:

<http://www.interfaceforce.com>