

Digital Load Sensors with USB Output



Loadstar Sensors, Inc. announced the iLoad Series of digital load/force sensors based on its patented capacitive sensing technology. These sensors combine the core load or force sensing function with integrated computing and communications modules to offer Plug and Sense simplicity and ease of use in a rugged, low profile package. The sensor is said to be the world's first capacitive load sensor with USB output. They are designed to plug directly into the USB port of a PC and enable users to measure loads, forces or weights without need for any additional signal conditioning, data acquisition or special software. The sensor offers a linear, 0.5V DC to 4.5V DC output proportional to applied loads. No expensive amplification or signal conditioning is required because all electronics are built into the self-contained integrated sensor. It is available immediately in 10, 50, 100, 250, and 500 lb. capacities to measure both compressive and tensile loads and offer accuracies of 0.25 percent to 0.025 percent of full-scale loads. Temperature compensation schemes are built-in for temperatures ranging between -10°C to 40°C for accuracy in most operating conditions with a tare.

Loadstar Sensors

650-938-4282, www.loadstarsensors.com [1]

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