

News Release



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FOR IMMEDIATE RELEASE

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ifm Introduces Metal Face Sensors for Welding and Stamping Applications

EXTON, PA – ifm efector inc., a leading manufacturer of sensors and controls, introduces a new line of sensors and cordsets designed and priced for metalforming applications. The new Metal Face sensor product line is designed and tested to provide reliable position indication in the toughest welding and stamping applications. Starting at \$59.00, ifm’s Metal Face sensors offer the best value in the market, providing all of the benefits of a metal face sensor at a plastic sensor price.

The sensor line is designed and tested to improve its life-in-application in welding and stamping processes. The sensor’s stainless steel construction withstands damage from physical impact caused by part-loading in manufacturing cells. To test the sensor’s durability, ifm engineers developed an impact test that simulates real-world metalforming conditions. In the test fixture, the sensor is able to withstand over 500,000 continuous impacts. The metal face sensor’s high durability extends the sensor’s life in application by a factor of 15 compared to plastic or teflon face sensors.

The sensor is further protected with a high temperature weld-slag resistant coating that prevents weld-slag from adhering. In a welding fixture, weld slag typically adheres to a sensing face. To remove the slag, abrasive cleaning techniques are used such as wire brushes and tools which can damage the sensor. To test the sensor’s resistance to abrasion, ifm engineers developed a test to replicate the weld slag cleaning process. In the rotary test fixture, ifm Metal Face sensors are placed in direct contact with rotating wire wheel brushes that continuously pass over the sensing faces. The Metal Face sensors can withstand more than 1 million wire-brush passes and still provide 100% of their sensing range.

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ifm Metal Face sensors feature 360° ring LED design for status indication, laser-etched part numbers and weld field immune electronics. Sensors are available in standard housing styles that include M12, M18, and M30 tubular housings. Prices are \$59.00, \$61.00, and \$64.00 (US), respectively.

For power connection, ifm offers two families of M12 Micro DC cordsets specifically designed for welding applications that feature cable material rated for high temperatures and coupling nuts with a weld slag resistant coating. Cable lengths are available in 2, 5 and 10 meters. Prices start at \$12.00 (US).

For more information about the Metal Face product line, call 800-441-8246 or visit www.ifm.com/us.

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- Website: www.ifm.com/us.

ifm efector inc. is a premier technology partner for sensors and controls. Products include proximity switches, photoelectric sensors, fiber optics, condition monitors, speed monitors, pressure sensors, flow sensors, temperature sensors, level sensors, valve position sensors, mobile control solutions, ID systems, AS-i networking and Safety at Work products.

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