

Tank & Railcar Loading Control Sensor

- » *Easy to Use*
- » *Rugged Probe Design*
- » *Switches With More Liquids*

Safety Begins...

with DELTA M overfill protection for railcars, tank trucks and liquid transport vessels around the world. It's an easy-to-use, ruggedly constructed Tank Loading Probe. Operators quickly adjust the length to their specific fill height with its fast-locking clamp. Filling operations use it in the widest variety of materials and temperatures, in hazardous areas and corrosive environments.

Make Delta M your partner in safe and efficient liquid transfer!



DELTA
CORPORATION
REPEATABLE. RELIABLE. READY.



Petroleum - Crude
Ethanol - Shale Oil
Hazardous Chemicals
Paraffin Wax - Asphalt/Pitch

Three models to choose from:



microtuf[®] II, microtuf[®] & VERSA-SWITCH[®]

- » All welded sensor construction - rugged and durable
- » Easily adjusted probe measurement height
- » Unaffected by most coatings, or by fogging!
- » Wide variety of sensor alloys
- » Ceramic and PTFE coatings available
- » Fast response time in a wide range of processes

Electronics

Input Power:

Standard 110VAC Optionally 220VAC, or 24VDC at 3 watts
Self-heating sensor design

Operating Temperature Range:

-40° to 140° F (-40° to 60° C)

Self-Test:

Integral and automatic during power up

Outputs:

5 amp, 250 VAC rated DPDT relay with fail safe
Secondary SPDT relay with fail safe (VERSA-SWITCH[®])
Time delay 0 to 300 second (VERSA-SWITCH[®])

Instrument

Operating Range:

Available with insertion lengths from 12 to 96 inches

Response Time:

Excellent sensor response time dependent on media

Stability:

Less than 0.5% drift from setpoint over a range of $\pm 50^\circ$ F
Temperature compensated through entire range

Repeatability:

$\pm 1\%$ of setpoint

Available Approvals:

CE, CSA, CENELEC
Class 1 Div. 1 Groups B, C, & D

Enclosure:

EX proof; CSA, FM, UL, CENELEC, ATEX and IECEx;
NEMA 3, 4X, 7, and 9;

Sensor

Type:

Thermal Differential, Dual Platinum RTD Sensors

Process Connection:

Simple, quick latching clamp

Insertion Length:

Standard 32.0 inch
12 inch to 96 inches available

Operating Temperature Range:

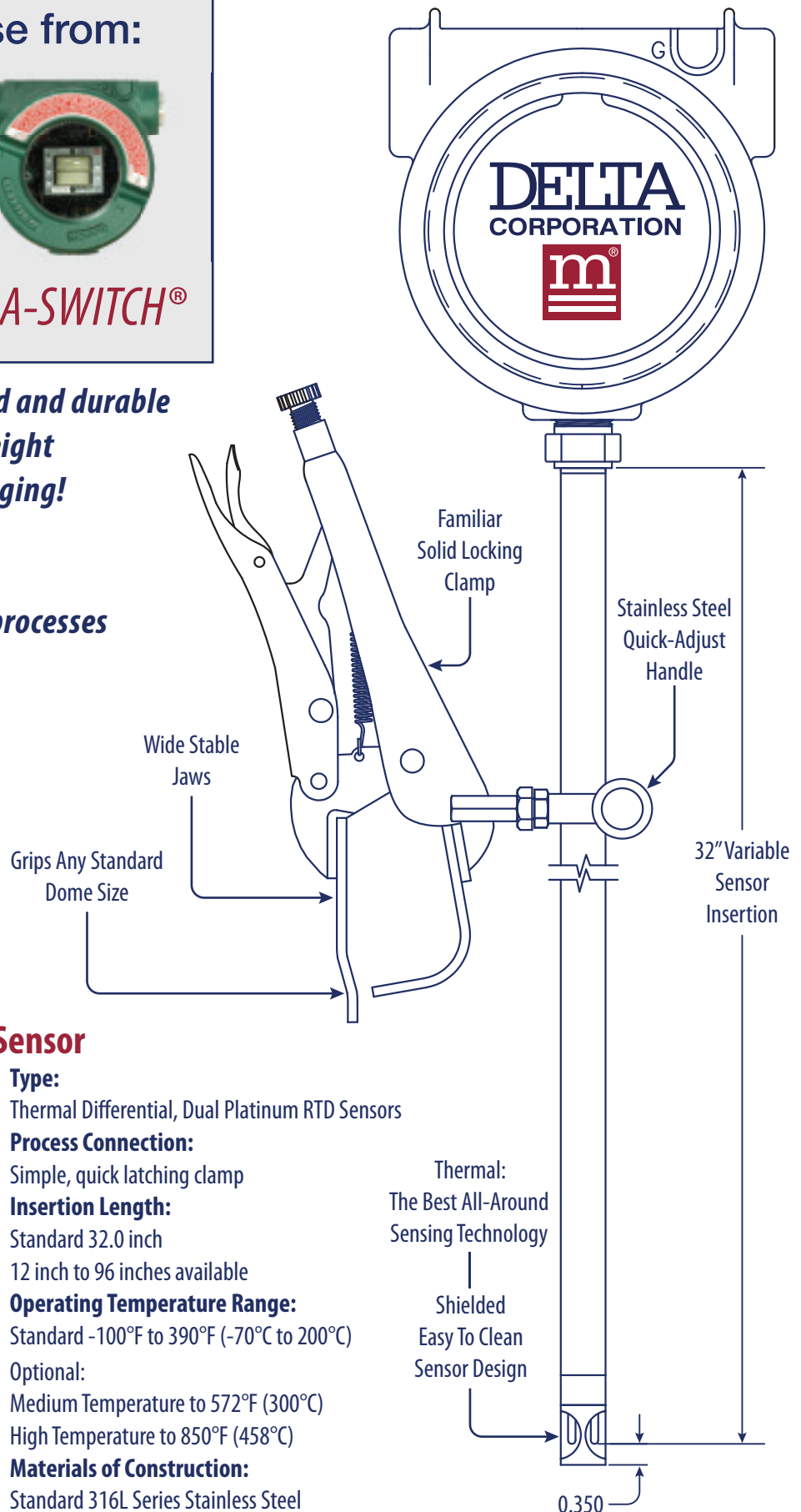
Standard -100°F to 390°F (-70°C to 200°C)
Optional:

Medium Temperature to 572°F (300°C)

High Temperature to 850°F (458°C)

Materials of Construction:

Standard 316L Series Stainless Steel
Optional: Hastelloy, Monel, Inconel & non-standard alloys
Ceramic and PTFE coatings available



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