

Options:

- Two switch elements can be mounted to a housing if a DPDT application is required.

With MEI's dedication and promise to service, the new MEI-SDS detector switch will prove to be a leader in today's standards.

For pricing and order information, call us at (316) 721-4214.

**FROM ALL OF US AT MEI,  
WE THANK YOU FOR  
YOUR BUSINESS!!!**

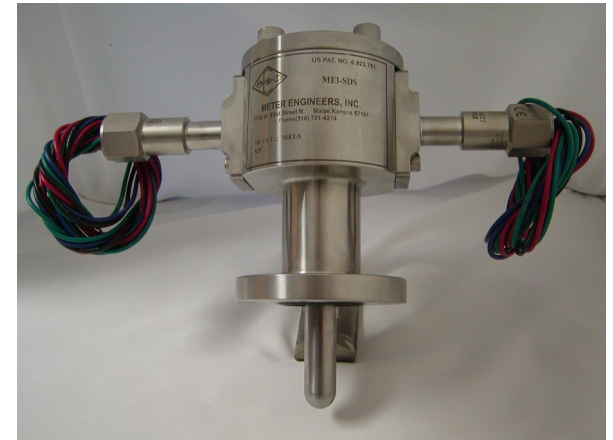
"YOUR ONE STOP PROVER STOP SINCE 1976"

STAY CONNECTED WITH US ON THE WEB!

**WWW.METERENGINEERS.COM**



**Meter Engineers, Inc.**  
1600 E. Tigua  
Kechi, Kansas 67067



US Pat. No. 6,823,751

# MEI-SDS

## Sphere Detection Switch

### Class 1, Div 1 and Hermetic Sealed



## METER ENGINEERS, INC.

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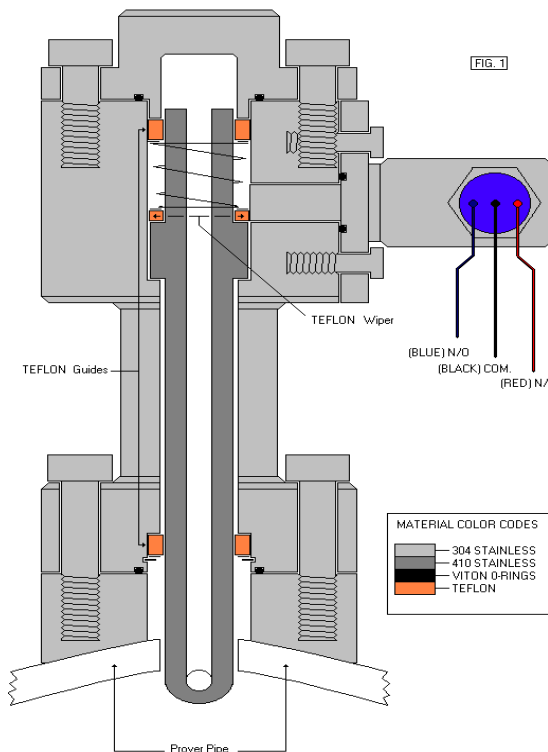
We have combined all of the best technology into one switch. It's adaptability to any switch base, with little or no additional expense, makes it a good economical choice.

*Outstanding Qualities:*

- TEFLON bushing guided for smooth activation. There are no metal-to-metal friction points. (See Fig. 1)
- Self-purging probe eliminates the need for bleeding air from the switch housing. Also, equalizes internal pressure in the switch housing to eliminate pressure resistance. (See Fig. 1)
- Self-cleaning - Wiper blade that travels past the magnetic switch, before the activation surface passes, to remove any metallic material that may build up in the magnetic field. (See Fig. 1)
- No expensive extensions for underground applications. Just add a 1/2" rigid conduit riser to bring the wire termination box to a desired height.
- The electrical elements have a UL and ATEX Class 1, Div 1 rating and they are hermetically sealed.

- No adjustments make this switch easy to replace and very tamper proof.
- Low maintenance (easy to install TEFLON bushing replacement kits.)

- Adaptability – Adaptable to any switch base on the market with little or no additional expense. (Picture below of some adapted switches)



- Switch Element Performance  
 Repeatability: .002" (.05 mm) Typical  
 Response time: 8 milliseconds  
 Operating temperature: -40 deg. F to 221 deg. F
- All detector switches are hydrostatic tested to 1800 P.S.I. Higher pressure test can be done at customer request.
- Every switch mechanism is factory tested for accuracy.