



5-Wire Optic Level Sensor

DS 05-13B

Civacon's 5-Wire Optic Sensor offers the latest digital technology and design features that make this sensor a perfect fit for your Overfill detection needs.

Optic overfill sensors detect the presence of liquid at a preset level. The Civacon 5-Wire Sensor is fully compatible with all our current 5-Wire Sensors and Monitors, as well as all industry standard signal formats. These Sensors feature an exclusive, digital electronic circuitry design that will work directly with 5-Wire loading racks when wired directly to a blue WOGA1 or SAE J-560 style "optic" socket, as well as with all Onboard Monitors like our Civacon Liberty™.

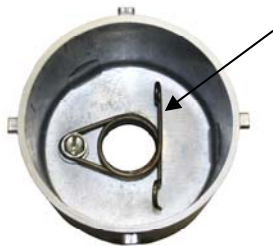
These Civacon 5-Wire Sensors are a direct replacement for our 5-Wire Liberty™ optic sensors. The new 5-Wire output signal is compatible with the industry standard signal format, which makes it the right choice for any of your 5-Wire overfill detection sensor applications.

All of these features and benefits are also available in our new 2-wire sensor version (see separate data sheet).



Overfill Features

- 5-Wire Probe output signal is compatible with the industry standard output format
- New digital electronics with new temperature stabilized friendly potting
- Still the industries best *single flat surface* optic prism design!
- Completely new Housing and Cap design
- Molded non-corrosive cap with captive seal means no tools required for access, or adjustment of probe
- Tamper Evident Tab on Cap lets you add a seal to prevent sensor height tampering (sensor can not be adjusted externally)
- Housings and Replacement Sensors are 100% compatible with all previous Civacon 5-Wire models
- Approved to North American, Europe (ATEX) and World (IECEX)
- Operating Temperature -40° F (-40° C) to 160° F (71.1° C)



Sensor Tube Retaining Spring. Squeeze ends together to adjust sensor height.



Tamper Evident Tab

*WOGA (Western Oil and Gas Association), the former name for the Western States Petroleum Association (WSPA)

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Product Specifications

Product Number

1110-007B, 0012B or 0018B

Sensing Length Adjustability

See Drawing

Product Range

Refractive Index 1.37 to 1.60
Viscosity of less than 1000 SSU

Electrical Leads

18 gauge Stranded Wire 26" Long

Weight

1.15 lbs. (0.521 kg)

Materials

Sensor Cap - Glass Filled Nylon
Cap O-ring - Silicone
Sensor Housing - Aluminum
Mounting O-ring - Viton
Locking Nut - Plated Steel
Sensor Shaft - Aluminum

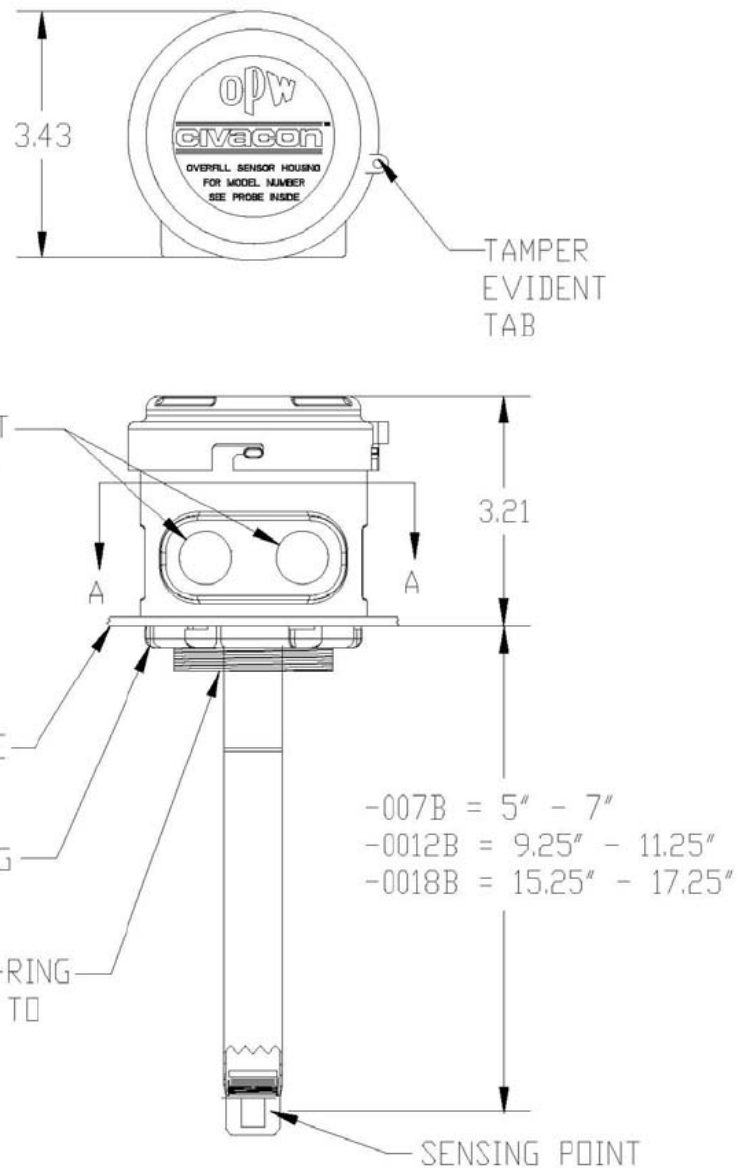
Approvals

North American
Europe (ATEX)
World (IECEX)

Temperature Range

Operating Temperature -40° F (-40° C) to 160° F (71.1° C)
Storage Temperature -70° F (-56.6°) to 280° F (137.7° C)

****Special length sensors are available upon request**



5-Wire Part #	Old Civacon Part #	Description
1110-007B	1110-1110	Optic Overfill Sensor, 5-Wire, 2" NPT Parallel Port Housing, 7"
1110-0012B	1110-0012	Optic Overfill Sensor, 5-Wire, 2" NPT Parallel Port Housing, 12"
1110-0018B	1110-0018	Optic Overfill Sensor, 5-Wire, 2" NPT Parallel Port Housing, 18"
1302-007B	1300-1300	Replacement Optic Overfill Sensor, 5-Wire, No Housing, 7"
1302-0012B	1300S-0012	Replacement Optic Overfill Sensor, 5-Wire, No Housing, 12"
1302-0018B	1300S-0018	Replacement Optic Overfill Sensor, 5-Wire, No Housing, 18"



PHONE: (816) 741-6600 • (888) 526-5657 • Fax: (816) 741-1061
4304 Mattox Road • Kansas City, MO 64150 • www.civacon.com