

# 2 & 5-Wire Overfill Sensors

Optic overfill sensors detect the presence of liquid at a preset level. The new Civacon Universal 2 & 5-Wire Sensor is fully compatible with all our current Sensors and Monitors, as well as all industry standard signal formats. These new Universal Sensors feature an exclusive, digital electronic circuitry design that will work directly with 2 & 5-wire loading racks when wired directly to a blue "optic" socket, as well as with all Onboard Monitors like our Liberty™. The new Civacon Universal 2 & 5-Wire Sensors are a direct replacement for our existing Liberty™ optic sensors. With their universal industry compatible signal format, they are a perfect choice for all of your overfill detection sensor applications. All of the features & benefits of these new sensors are also available in our new 2-wire sensor version as well (see separate data sheet).



## Features and Benefits

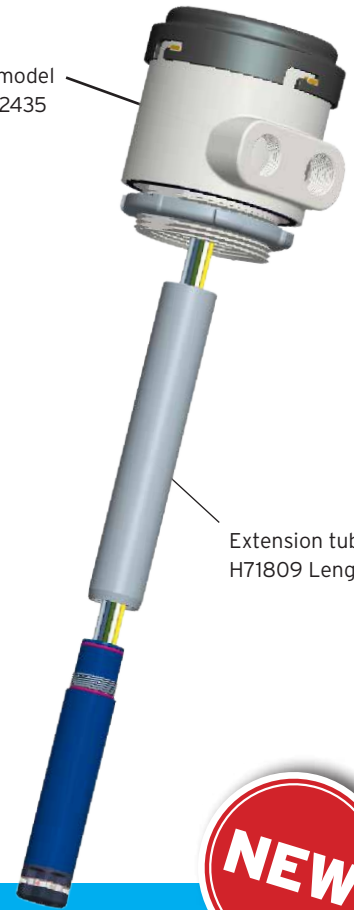
- **5300E 5-Wire optic sensor**
- **5350E 2-Wire optic sensor**
- **Sensor Cap** - Glass Filled Nylon
- **Cap O-ring seals** - Silicone
- **Sensing Length Adjustability**  
Sensor Housing - Aluminum
- **Locking Nut** - Plated Steel
- **Product Range** Sensor Shaft - Aluminum
- **Viscosity** of less than 1000 SSU Prism
- **Snap Ring** - Stainless
- **Weight** 0.521 kg
- **Operating Temperature** -40° C to 70° C
- **Storage Temperature** -56.6° to 137.7° C
- **\*\*Special length sensors** are available upon request
- **In accordance** with EN13922
- **Intrinsically safe operation**
- **Approvals** ATEX + IECeX & FM
- **Continuously** self checking

## Specifications

3.1.

5300E

Housing model number 12435



Extension tube H71809 Length

- New patented design
- Easier installation
- Diagnostic by means of LED
- Automated production and Automated testing
- Design, certification and production in our European facility
- 5 years Warranty

## General specifications

- Zone specification      Zone 0
- Working Temperature    -40°C to +70°C
- Signals                      Intrinsically safe
- Weight                        0,521 kg

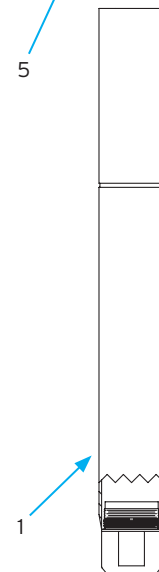
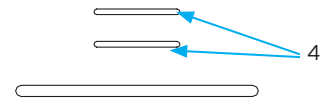
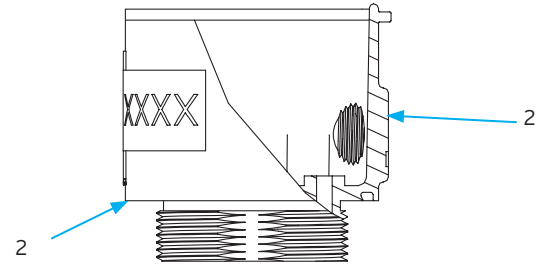
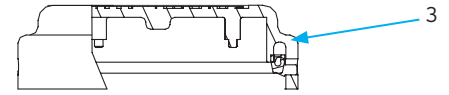
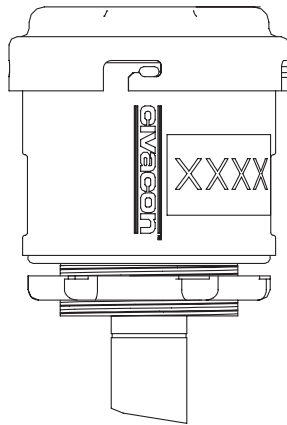


## Spare parts

### Repair kit

12435 Probe Housing & Cap

Item	Part Nr	Description	QTY
1	5300E	Replacement optic overfill sensor no housing 18" probe	1
2	H52840	Housing machined	1
3	H52936M	Cap probe housing with u-cup	1
4	H52842M	O-ring 2-021 buna	2
5	H52477M	Lock ring	1
6	H52898M	Screw	1



## Related products

Art. number	Description
4103-series	6-Pin Optical Socket
4403-series	10-Pin Optical/Thermistor Socket
2100E-L30	30m 5-Wire straight cable conform EN13922
EL05116	Cable Gland blue
EL00001	Ground Bolt
1551-series	2-Wire Optic Quick Start Sensors
1000RB	2-Wire Optic Bottom Retain Sensor
1398E	Truck tester, 4-J-slotted, black plug
1397E	Truck tester, 3-J-slotted, blue plug
3205E	On-board Monitoring System

## Ordering specifications

Art. number	Description
K1-5100E	Adjustable 5-wire optic sensor with 2-inch BSP housing 14-inch shaft length
K1-5600E	Adjustable 2-wire optic sensor with 2-inch BSP housing 14-inch shaft length