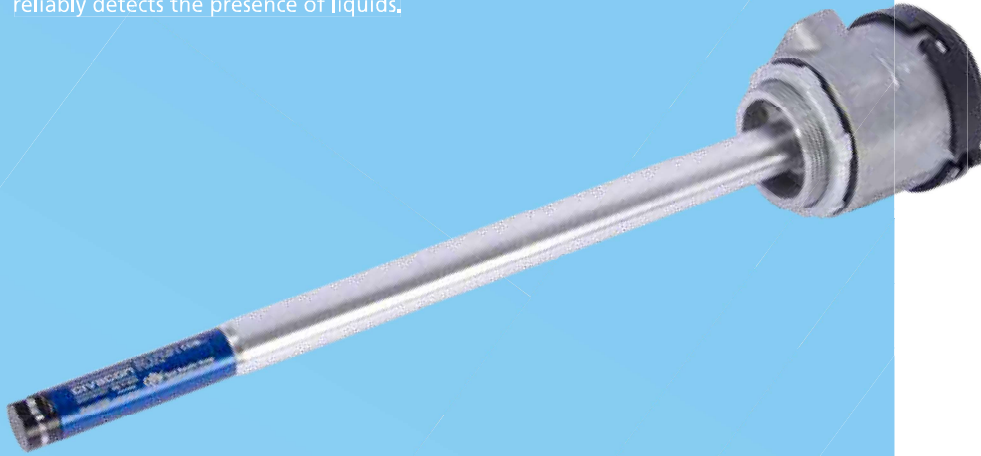


## Specifications

## 2 & 5-Wire Overfill Sensors

The CivaStar™ Advanced Overfill Sensors detect the presence of liquid at a preset level. The CivaStar™ Advanced Overfill Sensor 2& 5-wire sensor is fully compatible with all our current sensors and Monitors, as well as all industry standard signal formats. CivaStar™ Advanced Overfill 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.

The CivaStar™ Advanced Overfill Sensor is the future of overfill prevention technology. With advanced design, construction and unique LED visual verification system, CivaStar™ Advanced Overfill Sensor accurately and reliably detects the presence of liquids.



### Ordering Specifications

- K1-5110E-18 5-Wire optic sensor
- K1-5550U-18 2-Wire optic sensor
- 5300E-18 5-Wire optic sensor probe
- 5650U-18 2-Wire optic sensor probe

#### Assured reliability

CivaStar's advanced design, construction and unique LED visual verification feature optimizes probe reliability and permissive readings at the loading rack so your trucks get loaded on time and our customer get their deliveries on schedule.

#### Lighting the way

Save time and money tracking down the source of non-permissive readings. CivaStar features a unique LED light in the tip of the probe to provide immediate visual verification and diagnostics of non-permissive probe readings

### Features and Benefits

#### You're set forever

Set it and forget it. The specially engineered replaceable optic sensor head provides for reliable liquid detection and trouble-free installation or replacement without the need to ever reset probe heights.

### 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



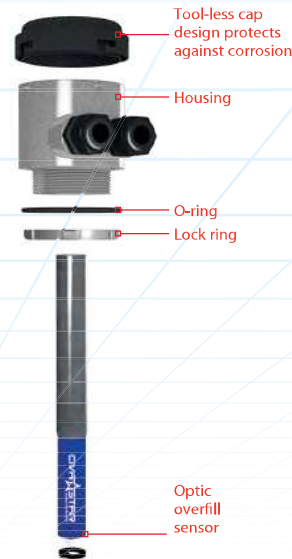
### General specifications

Sensor Cap	Glass-filled nylon
Cap O-ring seals	Silicone
Sensor length adjustability	Sensor housing aluminium
Locking nut	Plated steel
Product range	Sensor Shaft – aluminium
Viscosity	less than 1000 SSU prism
Snap ring	stainless
Weight	0.521 kg
Operating temperature	-40°C to 70°C
Storage temperature	-56,6°C to 137,7°C
In accordance with EN13922	
Approvals ATEX & IECEx & FM	
Intrinsically safe operation	
Continuously self checking	



CivaStar goes beyond overfill prevention. Real-time diagnostics keep your trucks on the road and delivering loads, something the competition can't deliver.

Feature	Benefit	CivaStar	Other
Detects the presence of a liquid	Provides overfill protection	Yes	Yes
5-year warranty	Peace of mind	Yes	No
LED diagnostics	Eliminates time-consuming and expensive guesswork	Yes	No
Tool-less cap	Quick removal and protects against corrosion	Yes	No
Tool-less spring adjustment	Set length once with torsion spring	Yes	No
Sensor replacement	Rapidly swap sensor without removing tube	Yes	No



## Ordering specifications & Cross-Reference

5-Wire replacement probe part numbers	
CivaStar™ Sensor Part #	Old-Style Part #
5300E-18	1301-0018GEB
5300E-18	1301-007GEB

2-Wire replacement probe part numbers Gray-Gray - Uni Colors	
CivaStar™ Sensor Part #	Old-Style Part #
5650U-18	1651-0018B
5650U-18	1651-007B

2-Wire replacement probe part numbers Red-Black-ROM	
CivaStar™ Sensor Part #	Old-Style Part #
5350E-18	1351-0018B

5-Wire probe with housing part numbers	
CivaStar™ Sensor Part #	Old-Style Part #
K1-5110E-18	K1-1112-0018EB
K1-5110E-18	K1-1112-007EB

2-Wire probe with housing part numbers Gray-Gray - Uni Colors	
CivaStar™ Sensor Part #	Old-Style Part #
K1-5550U-18	1551-0018JB
K1-5550U-18	1551-007B

2-Wire replacement probe part numbers Red-Black-ROM	
CivaStar™ Sensor Part #	Old-Style Part #
To be advised	1051-0018B

5-Wire replacement probe part numbers N/A Colors	
CivaStar™ Sensor Part #	Old-Style Part #
5300N-18	-

2-Wire replacement probe part numbers Black-White	
CivaStar™ Sensor Part #	Old-Style Part #
5650E-18	1651-0018B

5-Wire probe with housing part numbers N/A Colors	
CivaStar™ Sensor Part #	Old-Style Part #
K1-5110N-18	-

## Related products

Art. number	Description
2110E-L30	30 m 5-Wire straight cable conform EN13922
EL05116	Cable gland HSK-K-EX: m20x 1,5; 6-12 mm blue
EL00001	Ground bolt
3205E-XR1M	ROM onboard monitoring system, right handed, with 2W rack interface, metric
3205E-XL1M	ROM onboard monitoring system, left handed, with 2W rack interface, metric
1398E-E003	Truck tester, 4-J-slotted, black plug
1397E-E003	Truck tester, 3-J-slotted, blue plug
4103E	6-Pin socket for optic sensors
4103PS	4103E with pressure switch conform 94/63EC (VOC) 2+5-Wire
4403B	10-Pin socket with pressure switch for optic and sensor, black label and cap, in accordance with EN13922 and VOC
4403E	10-Pin socket for thermistor sensors with green label and cap

## Ordering specifications

Art. number	Description
K1-5110E-18	5-Wire optic sensor
K1-5550U-18	2-Wire optic sensor
5300E-18	5-Wire optic sensor probe, no housing
5650U-18	2-Wire optic sensor probe, no housing