

## General Description

Universal Analyzers can provide a condensate slip sensor that should be purchased to detect the presence of condensate, should any exist following the chiller. This component can be installed to ensure that a clean, dry sample is presented to the analyzer panel, thereby minimizing future maintenance or costly repairs.

The CCSF, or “Condensate Carry-Over Sensor with Filter”, contains a visible coalescing filter that collects particles on the outside of the cylindrical filter. It is surrounded by a transparent bowl that will allow the operator to inspect the condition of the filter.



## Operation

The CCSF is used in combination with any Universal Analyzers Chiller or a model 100A Condensate Sensor Relay board to detect condensate in the sample line. The CCSF uses a proximity sensor on the bottom of the transparent bowl and uses an M12 connector cable to interface with the Chiller or 100A. It also has an orange LED indication light on the sensor that lights upon detection of condensation or particulate. There is also a trim pot to adjust the sensitivity on the sensor; however, the CCSF is pre-adjusted at the factory, and it is not necessary to calibrate in the field.

## Features

- FM/CSA approval for use in Class 1, Div. 2 groups A,B,C,D when installed with an approved model
- 3000 chiller
- TÜV Approval for ATEX Ex II 3 G Ex nA IIC 143°C when installed with an approved model 3000 chiller
- Senses both conductive and non-conductive condensate
- LED integrated into sensor to view alarm state
- Adjustable sensitivity
- Removable Visual Indication Bowl
- M12 cable connections
- Unaffected by static electricity
- Variety of filter materials available

