

Intrinsically safe optical level switch
- *Tested to the extreme*



SAM Wetleg sensor

“Two in one” glass-tipped sensor

SAM Wetleg sensor

Beyond the limits:

The WetLeg [WL] sensor from SAM-SYSTEM A/S has been tested under extreme conditions on European roads. From the northern part of Norway to the southern part of France. Snow, salt, frost, sun and similar extreme environments have tested the sensor to its limit.



Configurable:

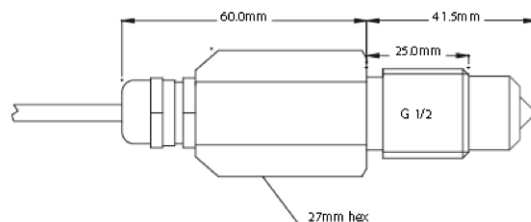
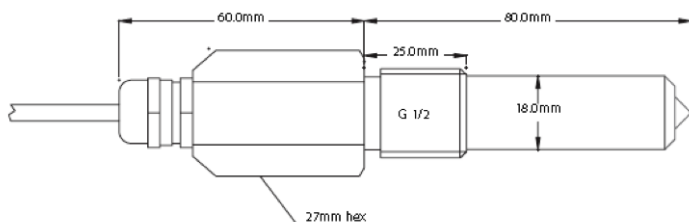
Different applications demand different configurations. This is why we have chosen to construct the sensor to be used in different applications.

The sensor can be connected to support any sensorcritical-installations using the 2-wire Namur circuit configuration.

The Namur configuration allows controlling of the sensor itself while in service. For industrial installations the sensor can be connected as a standard open collector circuit.

Glass tipped:

The sensor is made of stainless steel with a glass tip and comes in two lengths suitable for most applications. Viton or Teflon o-rings ensure that the sensor can operate reliable with a variety of different products. Please feel free to contact us, if you request specific information on specific aggressive, chemical products.




We support you all the way:

A number of skilled employees at SAM-SYSTEM A/S are ready to help you with inquiries for specific applications or specific product types. All sensors for the oil market are equipped with Viton O-rings while most sensors for the chemical business are equipped with Teflon or Teflon/Viton O-rings. Please specify your product when ordering.

Specifications

Line of Business	Applications	Configuration	Lenght	Order part No.	Cable lenght
Oil	Level switch for: stationary tanks road transport tanks	2 Wire Namur circuit	140 mm (80 mm)	919040	10 meter oil and petrol resistant cable
			101,5 (41,5)	919041	
		Standard open collector circuit	140 mm (80 mm)	919040A	
			101,5 (41,5)	919041A	
Chemical	containers dying systems ask for other applications	2 Wire Namur circuit	140 mm (80 mm)	919042	
			101,5 (41,5)	919043	
		Standard open collector circuit	140 mm (80 mm)	919042A	
			101,5 (41,5)	919043A	

	3 Wire configuration (Open collector)	2 Wire configuration (Namur)
Supply voltage	8-15 Vdc	8 Vdc / 1 Kohm
Current consumption	1-3 mA	-
Current sensed	-	0,8 mA
Output	15 mA sink	-
Current unsenced	-	2,2 mA
Ambient temperature	-25°C - +50°C	
Protection	IP 67	
Max. pressure	10 bar	
Cable lenght	10 m	
Housing materials	Stainless steel / Glass	
Sealing materials	Viton / Teflon	
Approvals	RWTUV-03-ATEX-0028 X	
	 II 1G EEx ib IIB T4 / EEx m II T4	
Maximum ratings (ATEX)	$U_i = 15V * I_i = 15 mA * C_i < 1\mu F$ $L_i < 0,1mH * P_i < 250 mW$	



SAM SYSTEM - ATEX certified

The ability to listen...

SAM-SYSTEM is certified according to ISO 9001:2008 and ATEX, which allows us to develop, manufacture and sell highly complex solutions for use in hazard environment.

In +30 years we have sold, customized and implemented electronic tank-fleet systems to global oil companies like:

- Statoil
- Shell
- Q8
- OK
- SKANOL
- BP
- Texaco
- Uno-X / din-X

just to mention a few.

These systems have been installed by our very experienced staff all over Northern Europe. Even in the USA we have systems running, delivering petrol and diesel every day.

The core capability of our company is the ability "to listen". Over the years we have developed very strong, long-lasting relations based on our ability to listen.

This ability is the most important competence in our company – and at the same time the most difficult to copy. Based on this ability we develop the customized solution required, educate the people involved and implement the system in a live organisation.

SAM SYSTEM A/S

A. C. Illumsvej 31

DK - 8600 Silkeborg

Telephone: +45 87 98 11 00

www.sam-system.dk

info@sam-system.dk