



Pall Corporation

The WS07X Series

Water Sensor for hazardous environments

The Pall WS07X Water Sensor measures and displays the relative water saturation and temperature of fluids in hazardous environments



The Pall WS07X Water Sensor

Avoid the costs of water contamination

Water in fluids can cause numerous problems such as additive depletion, oil oxidation, corrosion, reduced lubricating properties, accelerated component wear rates and microbial growth. Such problems can be averted with periodic monitoring so that corrective actions can be implemented immediately.

The **Pall** WS07X Water Sensor can be used as a monitor to indicate the water content of a fluid, expressed as percentage saturation and provide meaningful information on which to base service and maintenance procedures.

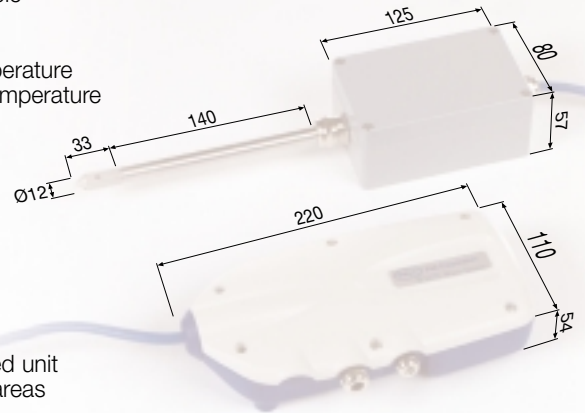
The **Pall** WS07X Water Sensor may be permanently installed to monitor critical applications or used for routine condition monitoring of various fluid systems.

The **Pall** WS07X Water Sensor meets ATEX requirements and complies to the health and safety standards of intrinsically safe machinery corresponding with the following standards: EN50014, EN 50020 and EN50284

The sensing probe and sensor driver units are approved intrinsically safe standard II category 1/2 G-EEx ia group IIC T6 (Zone 0 for the sensing probe/ Zone 1 for sensor driver unit), whilst the supply and evaluation unit is approved for use in non-hazardous areas only.

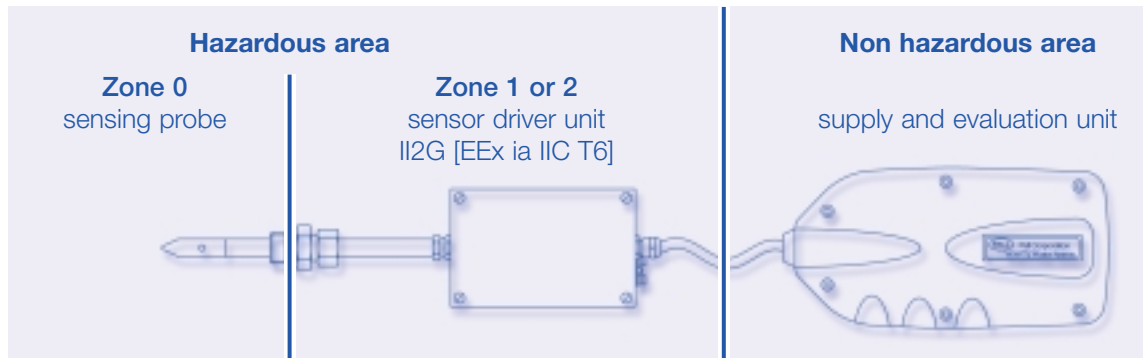
Specifications and Dimensions

Power supply:	24V (AC/DC) 150mA
Analogue output:	Two freely selectable and scaleable outputs 0-10V, 4 - 20mA
Interface circuit:	RS232
Temperature range:	-20°C to +60°C ambient air temperature -20°C to +100°C process fluid temperature
Approved standard	ATEX directive 94/9/EC
Supply and evaluation unit	
Material:	ABS Plastic
Rating:	IP65, Non hazardous areas only
Data cable	
Cable length (supplied):	Screened 6 core cable 10 metres
Max. cable length:	100 metres
Sensor drive unit	
	Independently explosion protected unit suitable for installation in Zone I areas
Sensing probe	
Pipe fitting:	% saturation and temperature sensor for installation in Zone 0 environments. ½" BSP (Parallel) pipe fitting for system pressures up to 10 bar



Dimension in mm

Installation



Ordering Information

Pall Part Number	Description
WS07X	Portable Water Sensor assembly
	1 - Sensing probe
	1 - Sensor driver unit
	1 - Supply and evaluation unit
	1 - Connecting data cable*

*The WS07X connecting cable can be supplied in any length. Consult Pall Sales for details.



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