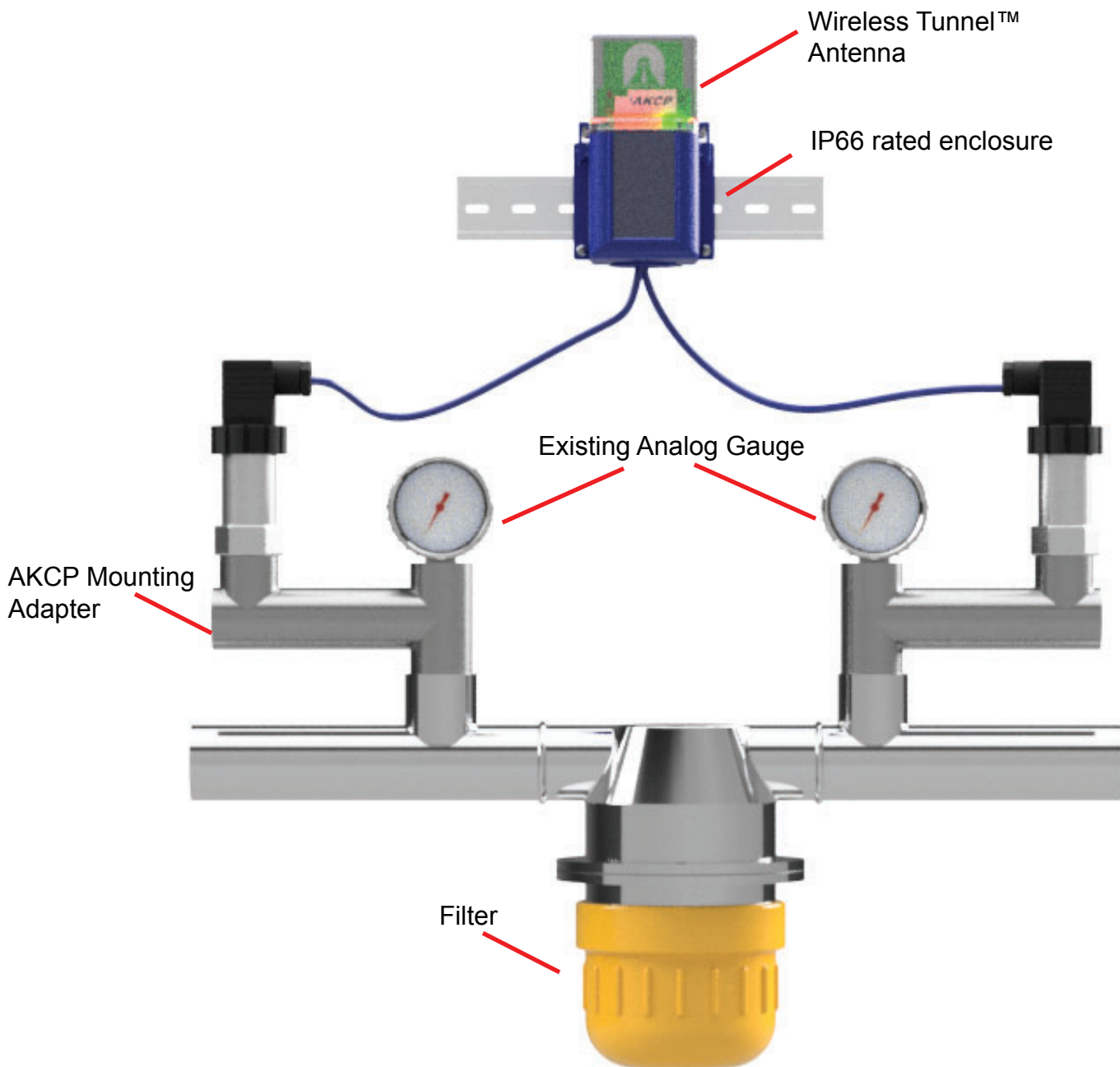


## Wireless Pipe Differential Pressure Sensor (WTS-PDPS)

### Monitoring Pressure Differential ( $\Delta P$ )

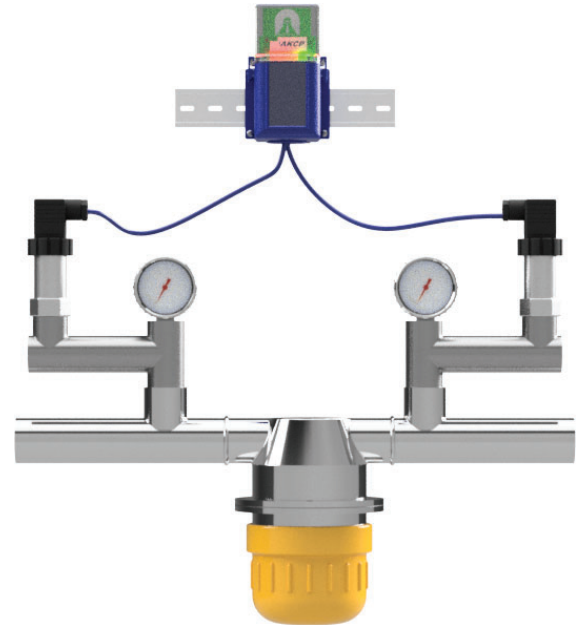
Differential pressure sensors can alert when filters require cleaning or replacing when there is drop in pressure across the filter. Monitor a range of pressures from 0 to 10 bar. We provide adapters to fit your existing thread size, and T piece to keep your existing analog gauge alongside the AKCP digital Wireless Tunnel™ pressure gauge. Sensors are battery powered (4x AA), or optional 5/12VDC input.



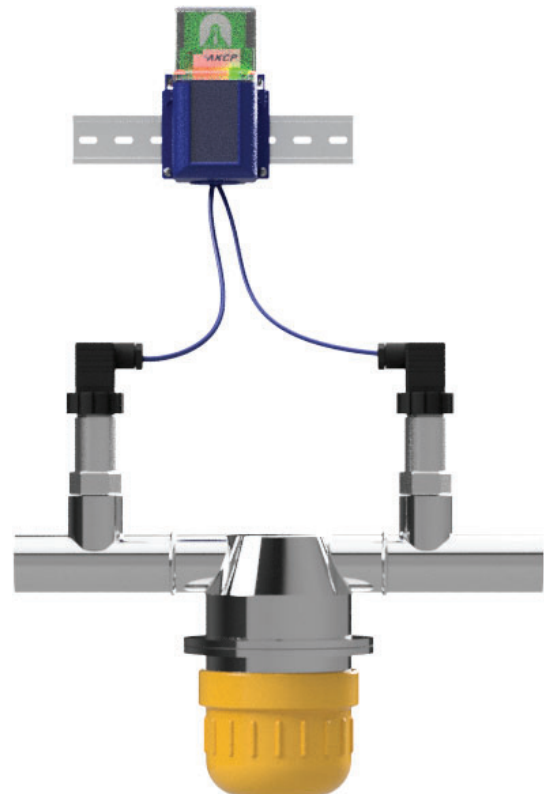
## WTS-PDPS - Installation Options

Different mounting options available for the Wireless Tunnel™ Antenna and enclosure, please refer to the pipe pressure sensor (WTS-PPS) for the different mounting methods

Wireless Tunnel™ Differential Pressure Sensor installed with existing analog gauges. AKCP Mounting Adapter for easy installation without needing additional holes in your pipes. View pressures online, and receive alerts when  $\Delta P$  is outside of defined limits.



Wireless Tunnel™ Differential Pressure Sensor with no analog gauges. View pressures online, and receive alerts when  $\Delta P$  is outside of defined limits



## WTS-PDPS - Technical Specification

<b>Status Indication</b>	LED indication for - Mode - Status - RSSI
<b>Components</b>	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
<b>Operating Environment</b>	Temperature : Min. -35° C – Max.80° C Humidity: Min. 20% – Max. 80% (Non-Condensing)
<b>LoRa (R) Radio Regional plans</b>	- EU868 : 863~868Mhz, Max TX Power +14dBm, Duty Cycle 1% - US915: 903~915Mhz, Max TX Power +17dBm - AS923 : 920~925Mhz, Max TX Power +14dBm, Duty Cycle 1% - KR920 (Korea) : 922~923Mhz, Max TX Power +14dBm, Duty Cycle 1% - IL917 (Israel) : 915~917Mhz , Max TX Power +14dBm, Duty Cycle 1%
<b>Certification</b>	FCC Part15C, CE EN300220-2
<b>Interface</b>	Micro-USB port for powering, adding and upgrading to the Gateway base unit
<b>Dimension</b>	76x77x120mm
<b>Mounting</b>	Wall hanging, DIN rail, Pipe Clamp
<b>Power source</b>	4xAA batteries or via micro-USB port
<b>Power Consumption</b>	Average 12 mWatt, 10uA in Idle, Up to 10 years of battery life
<b>Sensor Type</b>	Piezo resistive pressure sensor
<b>Measurement Range</b>	0-1MPa (0-10 Bar, 0-145 PSI)
<b>Measurement Resolution</b>	1KPa (0.01 Bar, 0.15 PSI)
<b>Measurement Accuracy</b>	Maximum ±0.5% FS
<b>Total Error</b>	±1% FS