

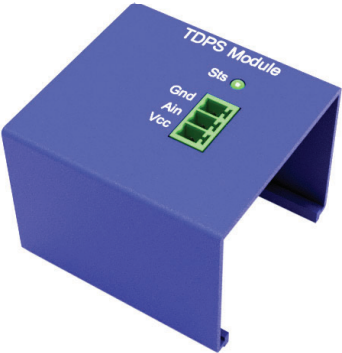
## Tank Depth Pressure Sensor (TDPS-5/10/15/20)



The tank depth pressure sensor can monitor all types of fuel and other liquid storage tanks. Comes complete with all mounting hardware required.

Lower the sensor into the tank until it reaches the bottom, and connect it with the sensorProbe+ device. The sensor will detect the pressure of the liquid column above it and calculate the depth of the liquid based on this.

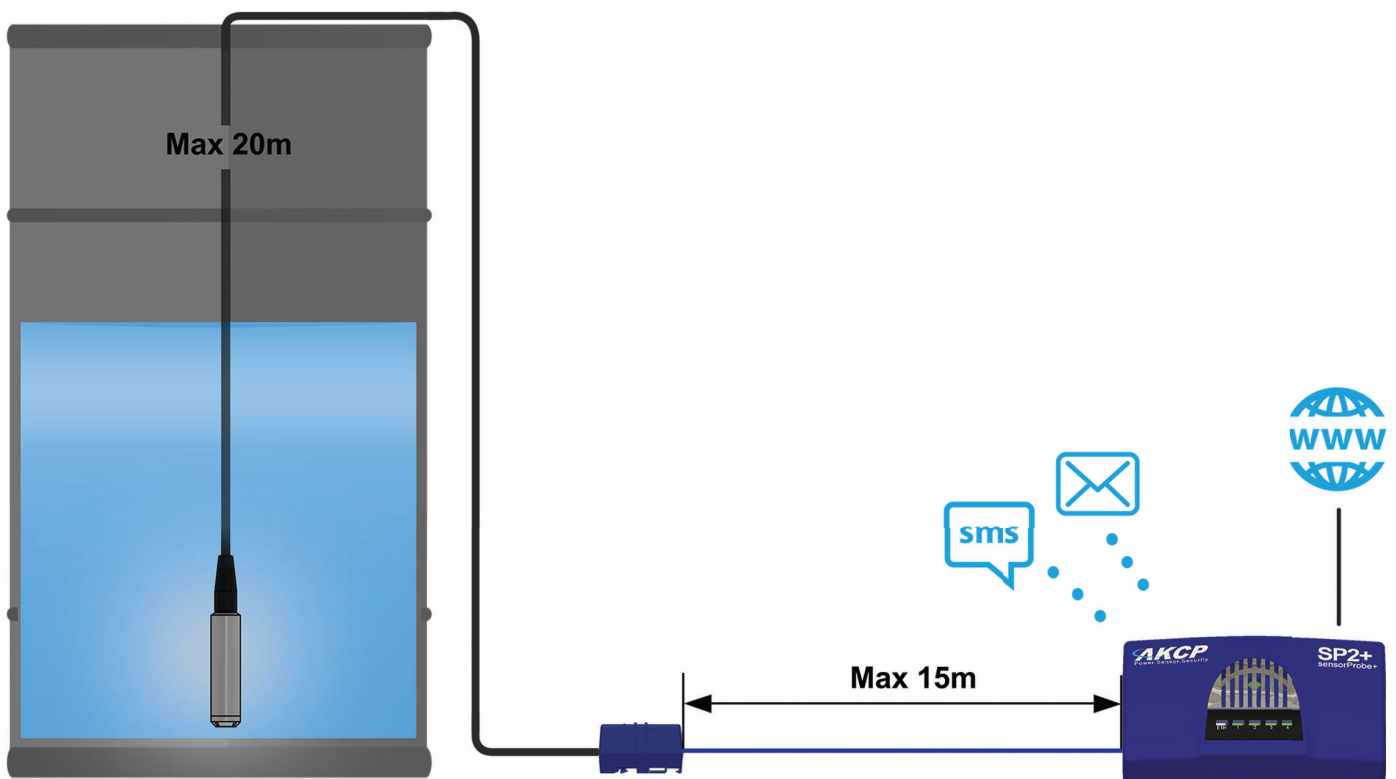
TDPS are available calibrated for different tank depths from 5 to 20 meters.



SPX+ TDPS Module

- TDPS-5** (For 5 meter tank)
- TDPS-10** (For 10 meter tank)
- TDPS-15** (For 15 meter tank)
- TDPS-20** (For 20 meter tank)

The TDPS can be ordered with external converter box that connects to a sensor port on the SPX+ or SP2+, or with a dedicated TDPS module on the SPX+



## TDPS - Technical Specification



<b>MEASUREMENTS</b>	
<b>Measurement Method</b>	Hydrolic Pressure in mH2O (Fluid column pressure)
<b>Tank Depth (Max)</b>	0–20 m (65 ft) for Water at 4C
<b>Accuracy Distance</b>	0–2000 cm (65 ft) with 1% accuracy for water
<b>Full Scale Accuracy</b>	±1%FS (Max)
<b>ENVIRONMENTAL</b>	
<b>Chemical Resistance</b>	Petrol, Diesel, Water
<b>Operating Temperature Range</b>	-20°C to 80°C
<b>Protection Grade</b>	IP68 (pressure sensor part)
<b>Interface</b>	
<b>Communications cable</b>	RJ-45 jack to Converter module using UTP CAT5e/6 cable
<b>Power source</b>	Powered by the controller unit. No additional power needed
<b>Power Consumption</b>	Typical 25 mWatt, 5 mA
<b>Maximum Cable Length</b>	The Tank level sensor can be extended from the RJ-45 Intelligent Sensor ports on the base units up to 100 feet, or 30 meters using standard CAT5/6 LAN cable. Ships with a 15 foot CAT6 LAN extension cable
<b>Probe Part Cable</b>	Leader cable from the sensor part to the converter box is 5/10/15/20 meters respectively based on depth type ordered.
	Comes fully assembled, only needs installation
<b>Dimensions</b>	56 x 55 x 33.3 mm
<b>Mounting</b>	DIN rail mounting Screw mounting
<b>Notes</b>	Works with certain types of fuel, fresh water Works on securityProbe 5E, E-Sensor8 expansion module or sensorProbe+
<b>Sensor count</b>	1



**TDPS - Technical Drawing**

