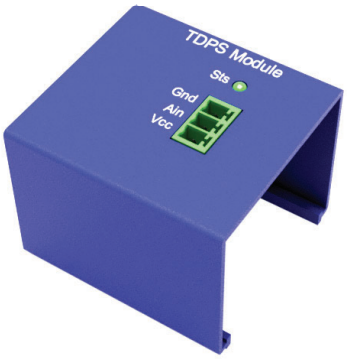
Tank Depth Pressure Sensor (TDPS-5/10/15/20)





SPX+ TDPS Module

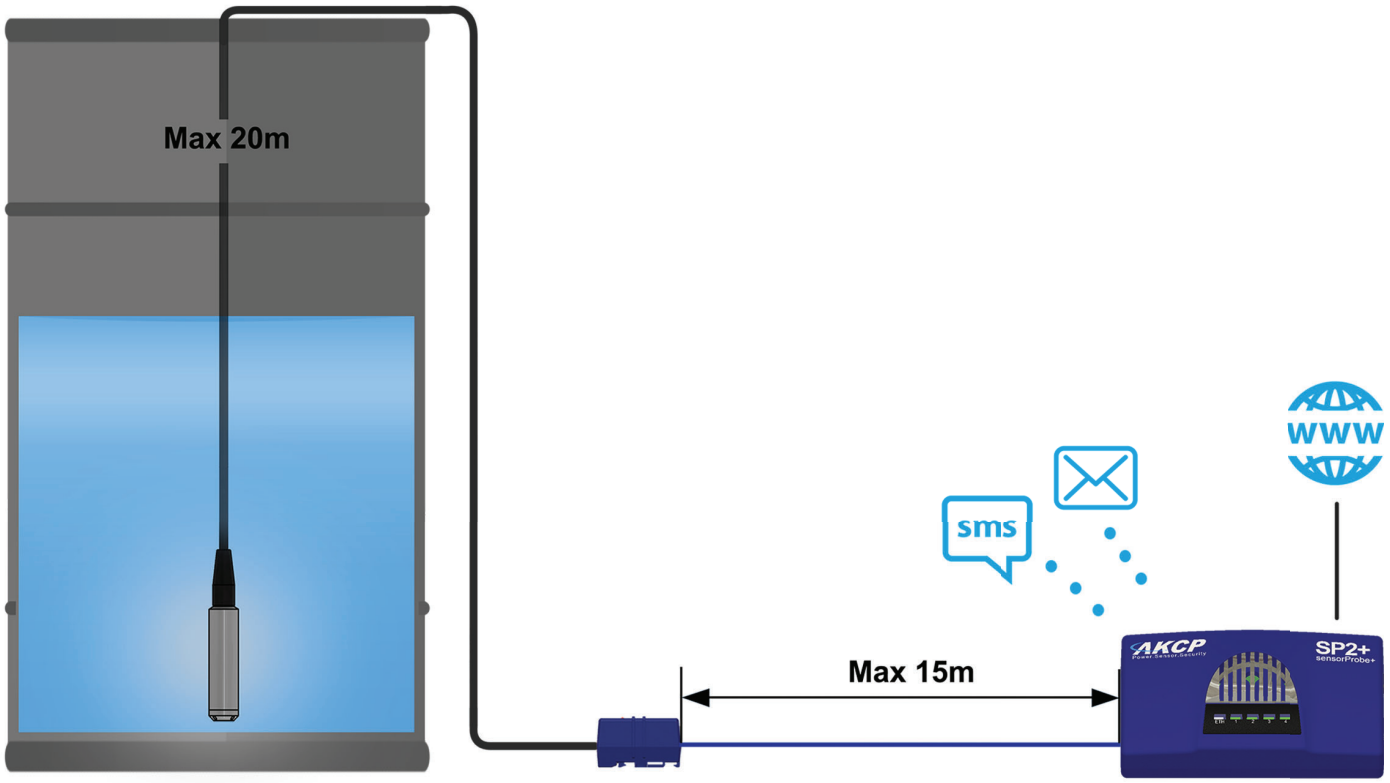
The tank depth pressure sensor can monitor all types of fuel and other liquid storage tanks. Comes complete with all mounting hardware required.

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.

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

MEASUREMENTS	
Measurement Method	Hydrolic Pressure in mH2O (Fluid column pressure)
Tank Depth (Max)	0–20 m (65 ft) for Water at 4C
Accuracy Distance	0–2000 cm (65 ft) with 1% accuracy for water
Full Scale Accuracy	±1%FS (Max)
ENVIRONMENTAL	
Chemical Resistance	Petrol, Diesel, Water
Operating Temperature Range	-20°C to 80°C
Protection Grade	IP68 (pressure sensor part)
Interface	
Communications cable	RJ-45 jack to Converter module using UTP CAT5e/6 cable
Power source	Powered by the controller unit. No additional power needed
Power Consumption	Typical 25 mWatt, 5 mA
Maximum Cable Length	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
Probe Part Cable	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
Dimensions	56 x 55 x 33.3 mm
Mounting	DIN rail mounting Screw mounting
Notes	Works with certain types of fuel, fresh water Works on securityProbe 5E, E-Sensor8 expansion module or sensorProbe+
Sensor count	1

TDPS - Technical Drawing

