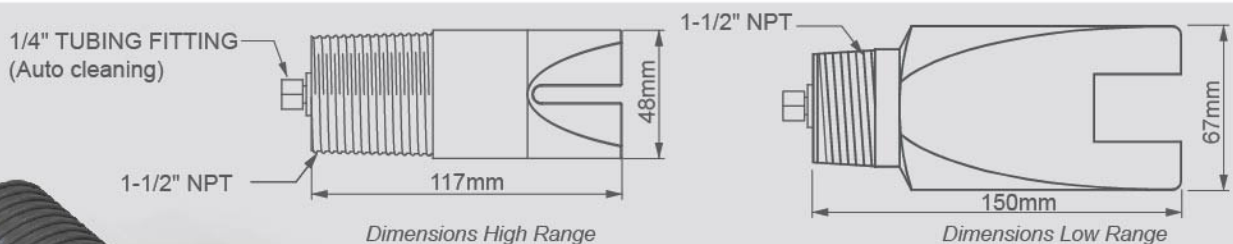


# > TOTAL SUSPENDED SOLIDS PROBE

Tethys Total Suspended Solid (TSS) Probe operate on the principle of single gap light absorption as a means of detecting the presence of suspended solids. The sensors incorporate self-cleaning optics via air or water jet. The application involves measurement of total suspended solids concentration from Mixed Liquor Suspended Solid (MLSS), Return Activated Sludge (RAS), Waste Activated Sludge (WAS), clarifier effluent and plant effluent.

## specifications

Measurement Low Range	0-1500 mg/L
Measurement High Range	250 – 30,000 mg/L
Accuracy Low Range Sensor	5% of reading or 5 mg/l whichever is higher
Accuracy High Range Sensor	5% of reading or 50 mg/l whichever is higher
Stability	2% of reading
Repeatability	2% of reading
Working Temperature Range	0 to 60 °C
Measurement Technique	IR light absorption
Response Time	60 second to 90% (T-90)
Wetted Material	Epoxy, polyurethane and PVC
Sensor Drift	Less than 1% per year
Integral Sensor Cable Length	10 meter
Sensor Cleaning System	air or water wash option available
Maximum Pressure	100 psi
Mounting	Submersible
Mounting Thread on Sensor Body	1-1/2" NPT
Probe Warrantee	1 Year



**EXT-TURB-H Total suspended solid (TSS) probes high range**  
 High range : 0 – 30,000 mg/l TSS  
 10 meters cable

**EXT-TURB-L Total suspended solid (TSS) probes low range**  
 Low range : 0 – 1500 mg/l TSS  
 10 meters cable