Turbidity Sensor

Applications
- Sensor for washing machines
- Sensor for dishwashers

Features
- Accurate sensitivity
- Compact size
- Easy to install

Amphenol
Advanced Sensors
Turbidity Sensor Specifications

**Theory of Operation**

The sensor operates on the principle that when light is passed through a sample of water, the amount of light transmitted through the sample is dependent on the amount of soil in the water. As the soil level increases, the amount of transmitted light decreases. The turbidity sensor measures the amount of transmitted light to determine the turbidity of the wash water. Knowing this will result in energy savings for the consumer.

**Rated Voltage**

5 VDC (between number 1 and ground)

**Voltage Off**

2.7V ±20%

**Test Method**

After testing voltage in water (turbidity level 0%), voltage test in water (turbidity level 3.5%); (voltage between number 2 pin and ground)

**Operation Temperature Range**

-14°F to 176°F (-10°C to 80°C)

**Storage Temperature Range**

-22°F to 176°F (-30°C to 80°C)

**Rated Current**

Maximum 30 mA

**Insulation Resistance**

Minimum 100 MS by 500 VDC

**Application Section**

Detecting the degree of turbidity of water