



**AQUAMONIX**  
Measure. Monitor. Master.

## ROTA PULSE FLOW SENSOR (RPFS-LOD) : 2-WIRE TECHNOLOGY



The Aquamonix range of smart sensors are marketed globally under Tonick Watering.

Tonick's range of smart sensors are designed for use with our range of 2-wire and wireless systems. They can be used to bring valuable data back to the control system via the wired or wireless path.

The Rota Pulse Flow Sensor features a paddle-wheel pulse output flow meter. The velocity is proportional to the frequency output and is suitable for insertion into 50, 80 and 100mm pipe sizes.



### FEATURES

- $\pm 2.5\%$  accuracy for velocity range of 0.5 to 8.5m/sec
- $\pm 1.5\%$  accuracy for velocity range of 0.7 to 7.0m/sec
- Repeatability rate of  $\pm 0.6\%$
- No external power supply required
- Long-Life built-in battery source
- High pulse output rate up to 330Hz
- Volt free contact closure
- Compatible with Tonick family
  - Flo Freq Sensor Decoder
  - Hybrid Sensor Decoder



## ELECTRICAL

- Output – Contact Closure (330Hz Max) up to 100VDC, 1.7A
- Internal Battery – 3.6V
- M12 plug and socket, with 5m of 2-core shielded cable

## OPERATING CONDITIONS

- 80°C max
- 150psi, 10bar or 1034kPa
- IP67 rated

## SPECIFICATIONS

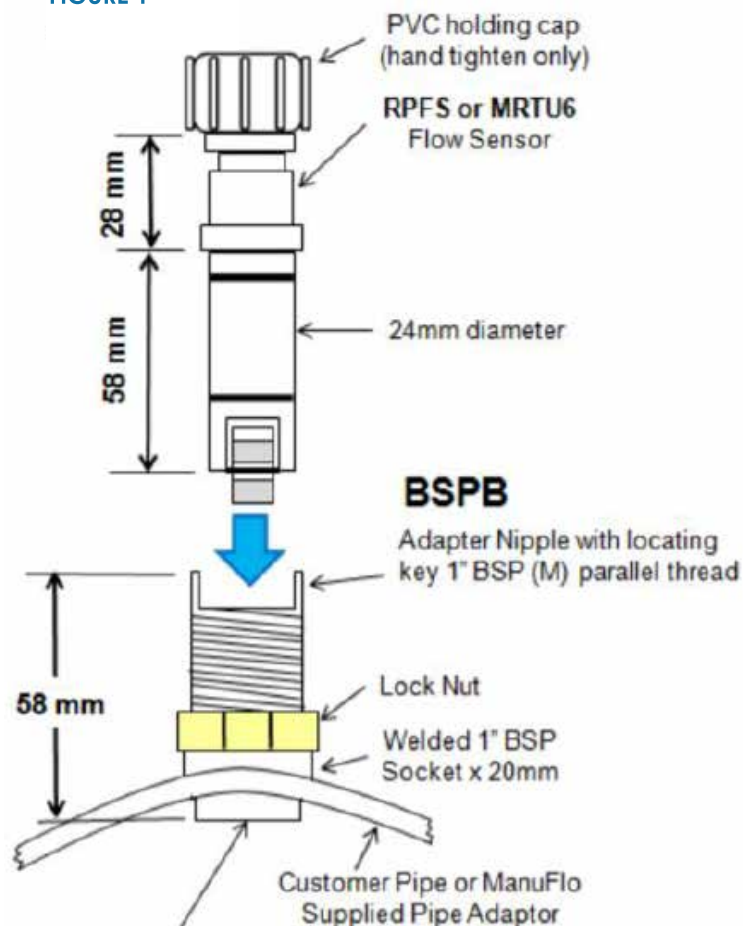
- Height: 230mm in total with a 58mm insertion section
- Length: 84mm
- Width: 84mm
- 1" OD BSP thread for screwed insertion into a 1" female BSP

## WIRING

- 5 metres of a 2 core shielded cable with a M12 Plug

## Installing into Existing Pipe Lines

FIGURE 1



INSERTION OF THE ADAPTER PIPE NIPPLE SHOULD INTRUDE APPROX. 10MM PAST THE CURVATURE OF THE PIPE (TO OBTAIN OPTIMUM RESULTS).

## Certificate of Origin

- Manufactured in Australia

Please refer to the Tonick OEM Guide for integration information.