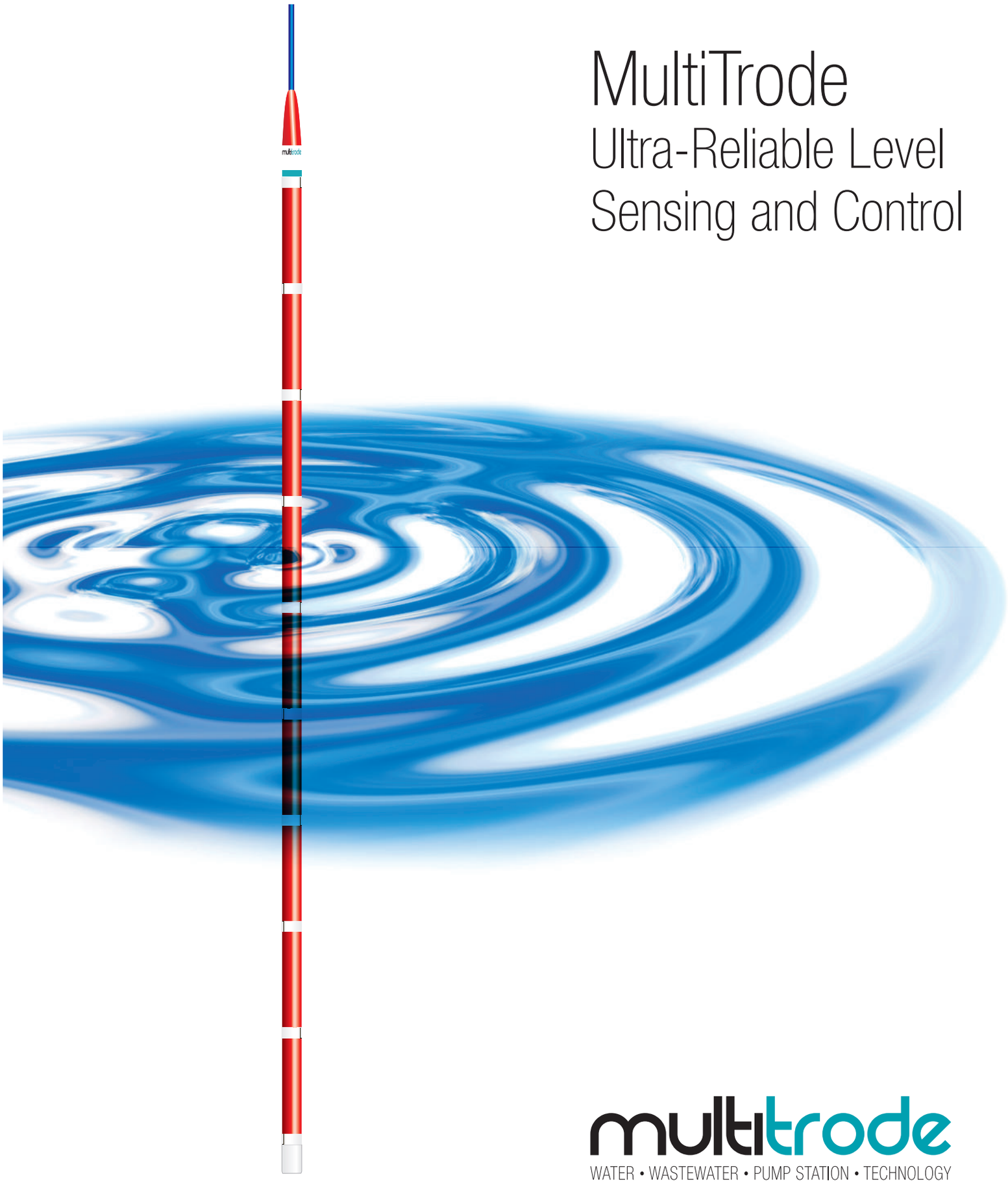


MultiTrode

Ultra-Reliable Level Sensing and Control

multitrode

WATER • WASTEWATER • PUMP STATION • TECHNOLOGY

The Probe... Dip it. Set it. Leave it.

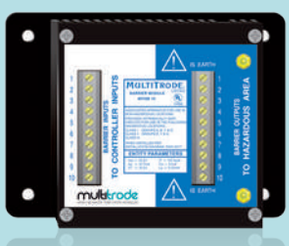


Why is it easier to install than other level devices?

All you do is hang the Probe on its own cable into your wet well, using the bracket we supply. Installation is simple - any one of your technicians could do it in an hour or so. What's more, you install the Probe relatively low down in the wet well, so compared to ball floats it allows the well to be cleaned out more thoroughly. That means less debris build-up, odors and pump clogs.

MTISB Intrinsically Safe Barrier

The MTISB is used between MultiTrode Probes and control equipment. It eliminates the risk of dangerous energy entering the potentially explosive environment where the Probe is located. 5-channel (MTISB5) and 10-channel (MTISB10) barriers available.



MultiTrode's Probe is the most reliable and cost-effective level sensor available in the water and wastewater industry today.

- 10+ year lifetime
- Cost effective and virtually maintenance free
- Very low and reliable pump cut-out
- Unaffected by build up (fat, grease, sludge and foam)
- Reduces maintenance cost
- Intrinsically safe when installed with MTISB barrier
- Eliminates false readings
- Simple to install and maintain
- Cuts the risk of spills
- UL, ULC, CTick, and CE Approved

Why is it so Reliable?

There are no electronics and no moving parts - which results in a long lifetime. **That's why it gets a 10-year warranty!**



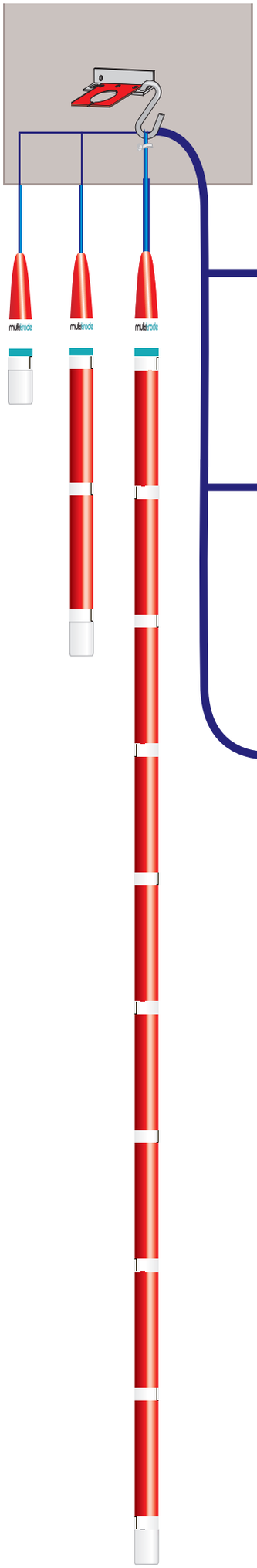
How would your Ultrasonic hold up to this application?

The MultiTrode Probe is unaffected by fat, foam, grease and sludge.

How does it work?

The Probe works by using the conductive properties of the water itself to complete a circuit with a controller. It's mounted near the inflow, allowing the turbulence to keep it clean. Even if a build-up does occur it's usually conductive (in wastewater) and so the Probe keeps right on working.

If cleaning is required the Probe is simply pulled through a squeegee that is part of the mounting bracket.



The Probe Connects To:



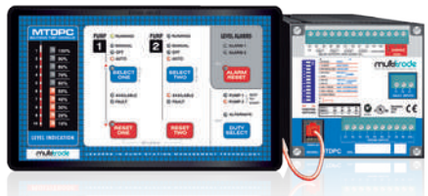
SCADA System

MultiSmart Pump Station Manager

Full control and monitoring with SCADA connectivity – please see the MultiSmart brochure for details.



MTIC with 10 Probe Inputs



MTDPC with 10 Probe Inputs



MTR with 2 Probe Inputs



MTRA with 3 Probe Inputs



Safe-TL or Safe-FS with 3 Probe Inputs

Includes thermal/seal motor protection

Ordering Information and Examples

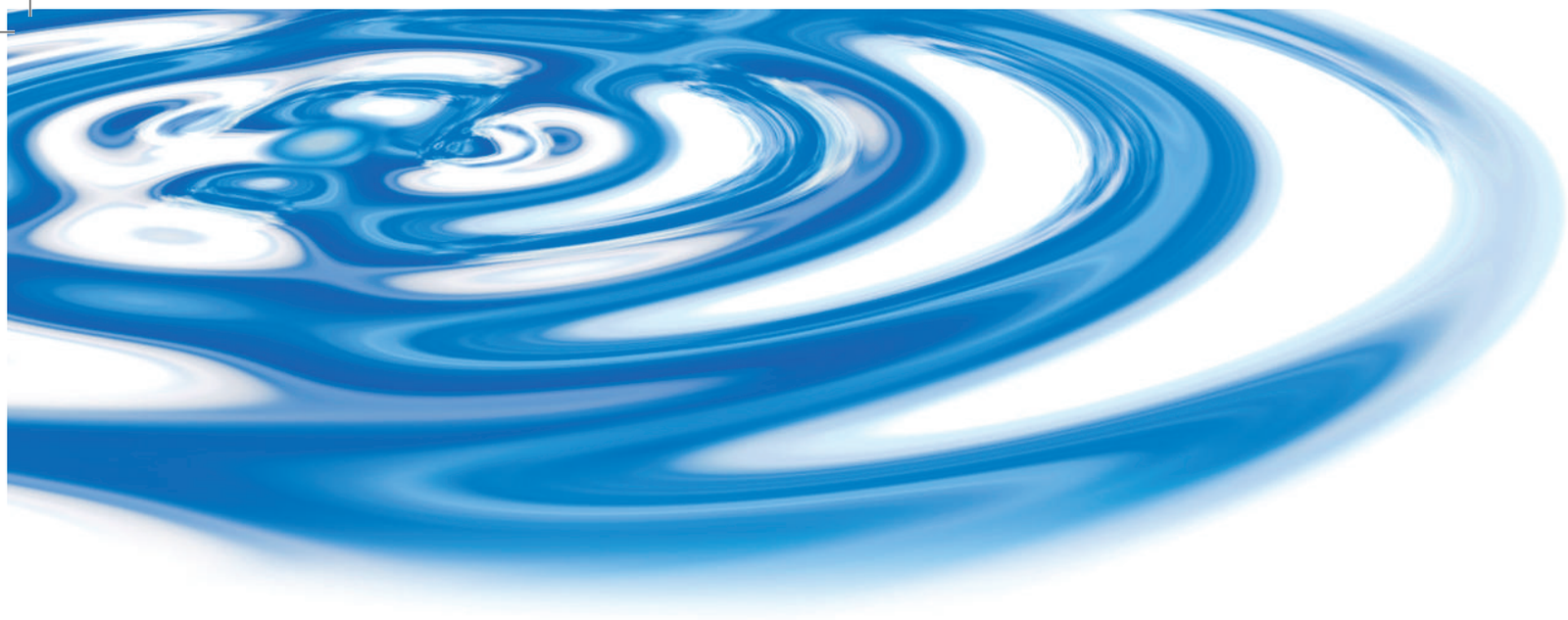
Model Code	Probe Length	Number of Sensors	Sensor Separation
0.2 / 1-xx	8in / 0.2m	1	N/A
0.5 / 3-xx	16in / 0.5m	3	6in / 150mm
1.0 / 10-xx	40in / 1.0m	10	4in / 100mm
1.5 / 10-xx	60in / 1.5m	10	6in / 150mm
2.0 / 10-xx	80in / 2.0m	10	8in / 200mm
2.5 / 10-xx	96in / 2.5m	10	10in / 250mm
3.0 / 10-xx	115in / 3.0m	10	12in / 300mm
6.0 / 10-xx	224in / 6.0m	10	24in / 600mm
9.0 / 10-xx	368in / 9.0m	10	35in / 900mm

xx = 10 (for 33ft or 10m of cable); or 30 (for 100ft or 30m of cable)

Probes are supplied with a standard length of cable in either 33ft / 10m or in 100ft / 30m lengths. The Probe comes in sizes ranging from 8 inches to 30 feet. It is available with 1-sensor, 3-sensors or 10-sensors.

2.5 / 10 -10

Probe Length (meters)	Sensor Points	Cable Length (meters)
2.5	10	10



In the complicated world of water and wasterwater management, there is good reason why MultiTrode stands unrivalled amongst its peers: We are committed to a singular vision of developing the latest technological advancements to provide sophisticated solutions to every day challenges in the water and wastewater industries.

Key to our success is the importance we place on customer satisfaction and solution-based products to save you time and money. From pump station management systems to engineering support, MultiTrode encompasses it all. By investing heavily in R&D, we remain on the cutting edge of technology and always ahead of our competitors.

Our products are proven. Our results are tangible. MultiTrode is unrivalled.

MTCAT 7.3

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We Provide Environmentally Responsible Solutions

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