



Turtle Tough Application Enquiry

At Turtle Tough we custom make our systems to meet the world's most demanding industrial liquid analysis applications. Please fill in the following form so that we can send you the most detailed and relevant information possible.

Important: To ensure that we can meet the chemical and physical requirements of the application, we need to have as much information as possible. Should you select "unsure" or leave blank any question, it is your responsibility to ensure that the chosen product(s) meet the application requirements. While Turtle Tough takes considerable care to match the product specifications to your application there is no guarantee with regards to performance, implied or otherwise. Materials and designs are chosen and recommended on the best faith basis with the information provided by you. A certain amount of trial and error is expected when dealing with tough applications and it's important for these applications that you can return expired sensors to us for evaluation.

Contact Information

Name	<input type="text"/>
Company	<input type="text"/>
Job Title	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
Address	<input type="text"/>
City	<input type="text"/>
State/Region	<input type="text"/>
Postal Code	<input type="text"/>
Country	<input type="text"/>

Application Type

What type of measurement would you like to monitor? Please select your application type.

- pH
- ORP (Oxidation Reduction Potential)
- Conductivity
- Dissolved Oxygen
- Other, please specify:

Please provide a detailed description of your measurement application:

(ie. What you are processing, the name of the measurement location and the chemical processes occurring at this location). We need to understand your process environment including what chemicals and conditions the sensor will be subjected to.

What is your primary motivation for contacting Turtle Tough?

- I've spoken to a representative already and I need to obtain a formal quote.
- Process Control: Poor process control can result in significant financial losses for my organisation.
- Reduced Maintenance: I would like to reduce the amount of time we spend cleaning, calibrating and maintaining sensors.
- Reliability: We would like to find a more reliable product.
- Price: I am trying to find a cheaper sensor.

Usage Information

My application is best described as:

- Laboratory testing environment
- Small Scale Test/Pilot plant
- Small scale Commercial Process (< 1000 litre process vessel)
- Medium Scale Commercial Process (< 100,000 Litre process vessel)
- Large Scale Commercial Process (>100,000 Litre process vessel)
- Other, please specify:

Which scenario best describes your current situation?

- We have no experience in monitoring the process.
- We do have experience in monitoring the process, but not in this location.
- We currently monitor the process in this location but would like to improve the performance we get from our existing product.

How many measurement locations would you have onsite?

- 1
- 2 - 5
- 5 - 10
- 10 - 20
- 20+

On average we would annually use:

- 1-5 sensors per year
- 5-10 sensors per year
- 10-20 sensors per year
- More than 20 sensors per year
- N/A

Currently, we clean and calibrate:

- Daily
- Weekly
- Monthly
- Every 6 Months
- Hardly Ever
- N/A

Please choose the scenario that best describes your current situation. My existing sensor:

- Does not last long enough
- Is too hard to maintain
- Gets fouled or clogged easily
- Requires frequent calibration
- Breaks easily
- Does not provide the required accuracy
- Has long lead times and is not readily available
- Is too expensive

Process Information

What is the typical maximum and minimum concentration range of the parameter you are trying to measure?

To ensure our engineers can provide you with the very best solution, please tell us more about your process conditions and how you plan to install and integrate the sensor (this should take 5-10 mins).

Do you know the major constituents in your process?

- Yes,
- No

if YES, Please list the major constituents and their concentrations:

Are there any organic solvents in your process?*

Yes, please provide the organic solvent content below.

No

if YES, please provide your process's solvent contents:

Is there any particulate (solids) in your process?

Yes, please provide the particulates content below..

No

if YES, please provide your process's particulates content:

Is the process stable or does it vary with unpredictable excursions?

Yes

No, please provide details of the types of excursions you might experience below.

if NO, please provide details of the types of excursions you might experience:

Other Important Process Parameters

Max/Min Temperature

I know the max/min temperature to be:

I'm not sure

N/A

Max Pressure

I know the max pressure to be:

I'm not sure

N/A

Max Conductivity

I know the max/min conductivity to be:

I'm not sure

N/A

Are there any other important process parameters we should be aware of that might impact upon a sensor?

Sensor Installation Information

Installation is one of the most critical aspects of a successful installation. If a sensor is improperly installed or too difficult to access it can greatly compromise the reliability and accuracy of the measurement.

What is your preferred method of installing the sensor in the process?

- Immersion rod
- T-Fitting
- Flow Cell
- Hot Tap/Valve Retractable assembly
- Sanitary Flange/Tri-Clover Fitting
- Other:

Do you already have the installation hardware?

- No, I need you to provide the installation hardware
- Yes, I already have the installation hardware
- N/A

Please provide any additional information we should be aware of about your installation or hardware requirements?

(Information such as material compatibility, connection types, thread size, line diameter etc)

What cable length do you require? (ie. How far is the sensor installation point from the analyser)

Process Instrumentation

So that we can better understand your measurement challenges, it greatly helps us to know what existing analyser or measurement system you are using? It may be that we do not have a better solution than your current provider or we may have a technology that will overcome an existing limitation.

Have you tried using other sensors and instrumentation in this application previously? If so, can you tell us what brand or type?

What is the make and model number of your existing analyser and/or sensor?

What is the cable length of the sensor? or how far is the sensor from the analyser? (Metres)

If I had to use new equipment, my ideal instrumentation would provide:

Digital Output
4-20mA Analogue Output
Relays
Data Logging
SMS or Email Alert
PID controller
Hazardous Area Certification
Other:
N/A

My ideal analyser would be equipped with:

Digital Output
4-20mA Analogue Output
Relays
Data Logging
SMS or Email Alert
Hazardous Area Certification
Other:
N/A

My existing sensor lasts on average:

up to 1 week
4 weeks
12 weeks
26 weeks
52 weeks
104 weeks
N/A

Please choose the scenario that best describes your current situation. My existing sensor:

Does not last long enough
Is too hard to maintain
Gets fouled or clogged easily
Requires frequent calibration
Breaks easily
Does not provide the required accuracy
Is too expensive
Other:
N/A

My ideal sensor:

Has a long life
Is easy to clean and maintain
Is highly accurate
Is low cost
Other:
N/A

Declaration*

By submitting this form you agree that the information provided is true and correct. Any subsequent system or sensor specifications provided by us will be based on this information. Turtle Tough will not be held liable for any adverse system performance where it relied upon incorrect information provided.