Tel. 705 682 2828
sales@chesscontrols.com
Fax. 705 682 0847

## Retractable Sensor Housings

Solution for Enhanced Process Safety with Easy Maintenance

A retractable housing is a process connection for an analytical sensor that provides a secure way for a sensor to be removed from a process for calibration, cleaning or replacement, without interrupting the ongoing process. METTLER TOLEDO offers a variety of retractable sensor holders to suit specific applications and process environments. These retractable housings offer various operation mechanisms, materials and flushing chamber designs to optimize sensor maintenance.

# InTrac 787 Retractable Housing

### Retractable Housing for Harsh Processes

*The InTrac 787 is a rugged, stainless steel retractable housing designed for 120 mm pH, DO, conductivity & turbidity sensors. The ball valve design allows for direct mounting on process lines, tanks & reactor vessels in harsh environments.*

**Flexibility in Maintenance Intervals**

The InTrac 787 allows easy access to in-line sensors for calibration or maintenance without interrupting process flow, saving time and money.

**Stainless Steel for Harsh Processes**

The InTrac 787 is for demanding industrial chemical applications and is available in a 316L stainless steel finish with Viton®-FDA O-ring material.

**Increased Operational Safety Features**

The ball valve of the InTrac 787 housing offers safe process sealing, and the double O-ring process sealing provides redundant protection.

# InTrac 776e Retractable Housing

### For Refillable pH Sensors

*The InTrac 776e retractable housing is for applications in that utilize refillable-liquid electrolyte pH sensors. With a built-in flushing chamber, the electrode can be cleaned/recalibrated without interruption.*

**Easy Refill of Electrolyte**

The InTrac 776e allows for easy retraction and electrolyte replacement and maintenance on refillable pH and ORP/redox electrodes.

**Efficient Built-In Flushing Chamber**

The electrode can be cleaned & recalibrated if necessary in the InTrac 776e built-in flushing chamber without any interruption of the ongoing process.

**Ensure Safety & Reliability**

For enhanced process safety, the InTrac 776e incorporates the Tri-Lock™ safety system to improve process reliability in harsh environments.

# InTrac 797e Retractable Housing

### Sensor Housing for Hygienic Environments

*The InTrac 797e stainless steel retractable housing is designed for processes that use 12mm electrodes to measure pH, DO, CO2 conductivity. With a double flushing chamber, it is designed to prevent contamination in sterile production.*

**Suited for Long-Running Applications**

The InTrac 797e is suitable for processes which run over an extended period due to the ability to maintain the sensor without disrupting the process.

**Highly Efficient Double Flushing Chamber**

The double flushing chamber allows complete sterilization of upper/lower parts of a sensor allowing the electrode to be changed in a safe environment.

**Design to Prevent External Contamination**

The twin-chamber lock design of the InTrac 797e retractable housing effectively prevents any external contamination while ensuring sterilization.

# InTrac 777e Retractable Housing

### Simplifies Sensor Maintenance

*The InTrac 777e retractable housing is designed for industrial processes that use 12mm gel-filled electrodes for the measurement of pH/ORP, DO, CO2 & conductivity. With a built-in flushing chamber, the electrode can be cleaned without interruption*

**Easy Access to In-Line Sensors**

The InTrac 777e offers manual or pneumatic sensor withdrawal for easy maintenance or replacement of pH, DO, CO2 or conductivity sensors.

**Highly Efficient Flushing Chamber**

To ensure particles/dirt are flushed away, the InTrac 777e has a single flushing chamber to clean and calibrate the electrode with no interruptions.

**Prevents Process Leaks**

The safety system prevents any release of process media from the housing. Without a sensor in place, the housing cannot be inserted into the process.

# InTrac 785 Retractable Housing

### Retractable Housing for Harsh Processes

*The InTrac 785 is a retractable housing designed for the installation of pH, DO, conductivity and turbidity sensors longer than 400mm. This housing uses a ball valve to ensure prevent the release of media or contamination in harsh environments.*

**Flexibility in Maintenance Intervals**

Gain access to the sensor without interrupting the running process. Simple retraction and process sealing via the ball valve allows easy maintenance.

**Materials for Harsh Environments**

The InTrac 785 is for demanding chemical applications and is available in 316L Stainless Steel, C22 Hastelloy, & titanium to meet your process needs.

**Increase Production Uptime**

The durable design of the InTrac 785 retractable housing ensures reliable operation in the most aggressive applications.

# InTrac 779e Retractable Housing

## Simplifies Sensor Maintenance

*The InTrac 779e retractable housing is designed for industrial processes that use 12mm turbidity sensors. With a built-in flushing chamber, the electrode can be cleaned/recalibrated without interruption.*

### Easy Access to In-Line Sensors

The InTrac 779e offers manual or pneumatic sensor withdrawal for easy maintenance or replacement of turbidity sensors.

### Highly Efficient Flushing Chamber

To ensure particles/dirt are flushed away, the InTrac 779e has a single flushing chamber to clean and calibrate the electrode with no interruptions.

### Prevents Process Leaks

The safety system prevents any release of process media from the housing. Without a sensor in place, the housing cannot be inserted into the process.

# InTrac 799e Retractable Housing

## Sensor Housing for Hygienic Environments

*The InTrac 799e stainless steel retractable housing is designed for processes that use 12mm turbidity sensors. With a double flushing chamber, it is designed to prevent contamination in sterile production.*

### Suited for Long-Running Applications

The InTrac 799e is suitable for processes which run over an extended period due to the ability to maintain the sensor without disrupting the process.

### Highly Efficient Double Flushing Chamber

The double flushing chamber allows complete sterilization of upper/lower parts of a sensor allowing the electrode to be changed in a safe environment.

### Design to Prevent External Contamination

The twin-chamber lock design with the InTrac 799e retractable housing effectively prevents any external contamination while ensuring sterilization.

### Easily Withdraw Sensor from the Process

Retractable housings make it easy to remove a sensor from the process for cleaning or maintenance. METTLER TOLEDO retractable housings offer both manual and pneumatic operation.

### Extend Sensor Lifetime in Harsh Applications

Retractable armatures allow you to withdraw a sensor from the process when a measurement is not needed. Retracting during harsh operations or cleaning processes extends sensor lifetime.

### Dual-Chamber Retractable Housings Prevent Contamination

The unique dual-chamber housing of the InTrac797e/799e retractable housing allows a sensor to be cleaned in a completely sterile environment, reducing risks of cross-contamination into the process.

METTLER TOLEDO's new Process Analytics Catalog for 2022-23 provides a comprehensive overview of solutions for analytical measurements in liquid process applications, pure water monitoring and gas-phase measurement. Download your copy today!
This catalog provides up-to-date information on equipment for measuring some of the most important analytical parameters in process and water monitoring, and includes some unique innovations, like the 2850Si dual silica and phosphate analyzer.
Contact Chess Controls at 705 682 2828 to get your copy.

METTLER TOLEDO

CHESS CONTROLS

Tel. 705 682 2828
sales@chesscontrols.com
Fax. 705 682 0847