

Housing for Sterile Conditions in Hygienic Applications



Reduced overall process costs

The InTrac family of retractable housing helps to substantially reduce the operating costs of a measuring point, by allowing well-planned automatic cleaning and calibration of the electrodes which will increase their average operational life significantly.



Operational safety through Tri-Lock

The Tri-Lock™ safety system prevents any release of process media via the housing. Without the presence of a sensor, the housing cannot be inserted into the process.



Broad-based electrode and sensor compatibility

A wide variety of different types of electrodes and sensors can be used in conjunction with the InTrac family of retractable housings, whether in the measurement of pH/redox, dissolved oxygen, CO₂, conductivity, or turbidity.



Flexibility of process adaption

The InTrac series offer a variety of different process adaptations, ranging from the tried and tested Ingold sockets, or flange fixtures, to special hygienic connection systems.



USP
Class VI

FDA

CE

UK
CA

Ex

FM
APPROVED

Hygienic Retractable Housings for Sterile Conditions

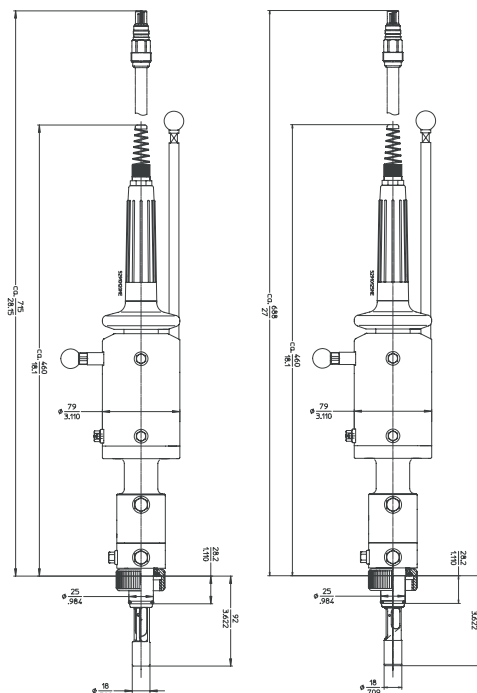
The InTrac™ 797 e/799 e is designed to fit as a process connection in applications with high demanding sterile conditions.

With its double flushing chamber, the InTrac 797 e/799 e is able to clean and calibrate the sensor as well as steam sterilize it, without interacting with the process itself. This allows sensor handling that is totally independent from the process, so it can be ensured that the sensor always meets the sterile conditions needed.

Using an InTrac 797 e/799 e helps to avoid cross contamination and get more product safety.

Technical data of the InTrac 797 e/799 e

Temperature	POM-body: 0 ... 70 °C (32 ... 158 °F) S/S-body: -10 ... 70 °C (14 ... 158 °F)
Functional pressure range	Manual: 0 ... 5 bar (0 ... 73 psig) Pneumatic: 0 ... 8 bar (0 ... 116 psig)
Max. permissible pressure [PS]/ [TS] (linear decreasing)	PP 6 bar/20 °C (87 psig/68 °F) 0 bar/80 °C (0 psig/176 °F) PVDF 6 bar/20 °C (87 psig/68 °F) 1 bar/110 °C (15 psig/230 °F) PEEK 6 bar/20 °C (87 psig/68 °F) 1 bar/110 °C (15 psig/230 °F) 1.4404/316L, 2.4602/Alloy C22, Ti 16 bar/140 °C (232 psig/284 °F)
Operation	Manual or pneumatic
Insertion length	100mm
Wetted parts	DIN1.4404/AISI 316L
Wetted O-rings	FKM-FDA, EPDM-FDA, FFKM-FDA
Non-wetted parts	Body: Polyoxymethylene (POM) conductive or DIN 1.4404/AISI 316L Protective sleeve: Polypropylene (PP) conductive
Weight	Approx. 4.5 kg
Outer dimensions	Length approx. 460mm in measuring position Length approx. 715 mm for electrode removal (minimum)
Pneumatic connections	4 ... 8 bar/58 ... 116 psig
Air quality to ISO 8573-1	- Air moisture content class 4 (dew point + 3 °C) - Solids class 5 (filter 40 µm) - Max. oil content class 2 (0.1 mg/m ³) - Air connections for hoses 6/4 mm
Flushing chamber connections	2 ... 6 bar (29 ... 87 psig) 5 x connections: thread G 1/8"
Position monitoring	Pneumatic check-back (3/2 way-valve); G 1/8" Inductive check-back, non-Ex, M12 x 1 Inductive check-back, Ex, M12 x 1
Pressure information	According to PED-Article 1, Section 2.2: "Pressure is referenced to atmospheric pressure, e.g. an overpressure. Accordingly, a pressure in the vacuum region will be expressed as a negative pressure.
Explosion protection (valid for all housings with medium wetted parts made of metal)	According to ATEX directive (2014/34/EU): II 1/2G Ex h IIC T6 ... T3 Ga/Gb II 1/2D Ex h IIC T69 °C...T131 °C Da/Db SEV 13 ATEX 0161X, IECEx SEV 19.0014X, CML 22 UKEX
6413X	According to FM guidelines: IS CL I,II,III, Div 1, GR A,B,C,D,E,F,G Tamb. = 0 °C to + 60 °C FM control drawing: 53800002; Entity Original project ID 3021227; FM Certificate number: FM16US0034X FM18CA0021X
Certificates	Declaration of conformity CE Pressure equipment directive (PED) 2014/68/EU Certificate of compliance with the order EN10204-2.1 Inspection certificate 3.1 ATEX (20147/34/EU), FM certificate, IECEx, UKEX and MaxCert™



Manually operated InTrac 797 e (left) and InTrac 799 e (right)

www.mt.com/InTrac799

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Management System certified according to ISO 9001/ISO 14001

METTLER TOLEDO Group

Process Analytics
Local contact: www.mt.com/pro-MOs

Subject to technical changes
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