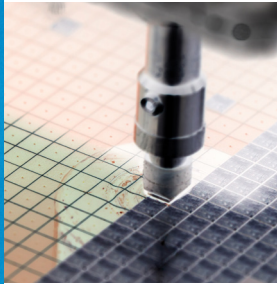
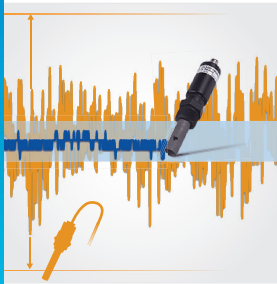


Unparalleled Resistivity Accuracy Increase Water Quality and Yield



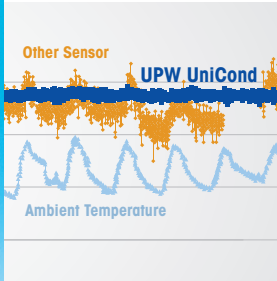
Industry Leading Accuracy

The UPW UniCond sensor offers unequalled temperature compensated resistivity accuracy to provide the clearest possible picture of your water quality.



Best In Class Signal Stability

Enhanced METTLER TOLEDO Thornton resistivity measurement technology reduces signal noise from the UPW UniCond by 10x over other sensors in UPW.



Environmental Isolation

Robust construction and temperature compensation ensures that observed changes in resistivity are due to water quality and not environmental factors.



Easy Traceability

Identification, calibration and maintenance data is stored in the UPW UniCond sensor, which allows for easy traceability. The sensor meets strict NIST-traceable calibration requirements.



UPW UniCond Sensor Precise UPW Resistivity Measurement

The UPW UniCond™ sensor provides industry leading accuracy with an order of magnitude improvement in measurement stability that surpasses the standard currently set by other resistivity sensors in the semiconductor industry. With the sensitivity to truly separate contamination from noise, the UPW UniCond sensor ensures measurement accuracy in even the most challenging ultrapure water applications with extremely high resistivity.

Find out how unparalleled UPW resistivity measurement accuracy can help you, visit:

► www.mt.com/upwUniCond

UPW UniCond Technical Data

UPW UniCond Sensor

Accuracy	1-10 MΩ-cm: ≤ ±1% compensated @ 25°C 30-50 MΩ-cm: ≤ ±1% compensated @ 25°C 10-30 MΩ-cm : ≤ ±0.5% compensated @ 25°C
Stability	0.003 MΩ-cm standard variation typical after rinse-up
Temperature sensor	Pt1000 RTD, IEC 60751, Class A, with NIST-traceable calibration
Temperature accuracy	± 0.05 °C at 25 °C
Finish (sanitary 0.1 cm ⁻¹ sensors)	Ra 0.38 micrometers (8 microinches)
Response time	90% of value in <5s
Insulator material	PEEK
Connector	IP65, mates with 58 080 27X series cable

Ordering Information

Fitting	Insertion Length "X" mm (in)	Fitting/Body Material	Range (MΩ-cm) ¹	Cell Const. (cm ⁻¹)	Electrode Material	Max Pressure/Temp bar(g) (psig) at °C (°F)	Part No.
3/4" NPTM	34 (1.35)	PTFE/SS	1-50	0.1	Titanium	17 (250) at 93 (200)	30819342
3/4" NPTM	132 (5.19)	PTFE/SS	1-50	0.1	Titanium	17 (250) at 93 (200)	30823885
1.5" Tri-Clamp®	86 (3.38)	Titanium	1-50	0.1	Titanium	14 (203) at 130 (266) & 31 (450) at 25 (77)	30823886

¹ MΩ-cm = 1/μS/cm

® Tri-Clamp is a registered trademark of Alfa Laval

UniCond is a trademark of the METTLER TOLEDO Group

www.mt.com/thornton

For more information

METTLER TOLEDO Group

Process Analytics Division
Local contact: www.mt.com/contacts

Subject to technical changes.
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PA2020en Rev B 04/23



Quality certificate.
Development, production and testing to ISO 9001.



CE Compliant



UL listed
Meets Canadian Standards