

Address 900 Middlesex Turnpike, Bldg. 8, Billerica, MA 01821, USA  
 Telephone +1 781-301-8600  
 Fax +1 781-301-8701  
 Internet www.mt.com/thornton

P/N: 1864-01  
 Certificate of Test and Accuracy

Mettler-Toledo Thornton, Inc. hereby certifies that the following instrument performs within specification. The instrument has passed our quality control Certification of Calibration standards and has been calibrated using test standards traceable to the National Institute of Standards and Technology (NIST). Annual calibration is recommended.

Customer: Mettler-Toledo Pac Rim AG  
 Manufacturer: Mettler-Toledo Thornton, Inc  
 Part Number: 1864-01  
 Serial Number: 747620A  
 Room Temperature: 23 °C  
 Calibration Procedure: TP58170011  
 Date Performed: 08-Feb-2024  
 Technician: BD  
 Relative Humidity: 19 %

BD

Calibration Standards

Digital Multi-Meter: Make: HP Model: 34401A S/N: US36079097 Stds. Cal.Due: 31-Dec-2024

As Found Data:

Nominal Value Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%)	Limit (+/-%)	Status:
Resistivity:	4.0000 M	4.0347 M	0.87	5.00	PASS
Temperature:	1.4000 K	1.4017 K	0.12	5.00	PASS

Before Calibration Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%)	Limit (+/-%)	Status:
Resistivity:	4.0334 M	4.0347 M	0.03	0.08	PASS
Temperature:	1.4011 K	1.4017 K	0.04	0.08	PASS

After Calibration Test Data:

After Calibration Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%)	Limit (+/-%)	Status:
Resistivity:	4.0347 M	4.0347 M	0.00	0.08	PASS
Temperature:	1.4017 K	1.4017 K	0.00	0.08	PASS

\* Values on the calibrator label may be rounded to fewer digits than the measured values.

Mettler-Toledo Thornton, Inc.

METTLER TOLEDO

Address 900 Middlesex Turnpike, Bldg. 8, Billerica, MA 01821, USA  
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P/N: 1864-02  
Certificate of Test and Accuracy

Mettler-Toledo Thornton, Inc. hereby certifies that the following instrument performs within specification. The instrument has passed our quality control Certification of Calibration standards and has been calibrated using test standards traceable to the National Institute of Standards and Technology (NIST). Annual calibration is recommended.

Customer: Mettler-Toledo Pac Rim AG  
Manufacturer: Mettler-Toledo Thornton, Inc  
Part Number: 1864-02  
Serial Number: 747620B  
Room Temperature: 23 °C  
Calibration Procedure: TP58170011  
Date Performed: 08-Feb-2024  
Technician: BD  
Relative Humidity: 19 %

Calibration Standards

Digital Multi-Meter: Make: HP Model: 34401A S/N: US36079097 Stds. Cal.Due: 31-Dec-2024

As Found Data:

Nominal Value Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%)	Limit (+/-%)	Status:
Resistivity:	100.00 K	100.0152 K	0.02	5.00	PASS
Temperature:	1.0000 K	1.0003 K	0.03	5.00	PASS

Before Calibration Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%)	Limit (+/-%)	Status:
Resistivity:	100.02 K	100.0152 K	-0.00	0.08	PASS
Temperature:	1.0003 K	1.0003 K	0.00	0.08	PASS

After Calibration Test Data:

After Calibration Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%)	Limit (+/-%)	Status:
Resistivity:	100.02 K	100.0152 K	0.00	0.08	PASS
Temperature:	1.0003 K	1.0003 K	0.00	0.08	PASS

\* Values on the calibrator label may be rounded to fewer digits than the measured values.

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P/N: 1864-03  
 Certificate of Test and Accuracy

Mettler-Toledo Thornton, Inc. hereby certifies that the following instrument performs within specification. The instrument has passed our quality control Certification of Calibration standards and has been calibrated using test standards traceable to the National Institute of Standards and Technology (NIST). Annual calibration is recommended.

Customer: Mettler-Toledo Pac Rim AG  
 Manufacturer: Mettler-Toledo Thornton, Inc  
 Part Number: 1864-03  
 Serial Number: 747620C  
 Room Temperature: 23 °C  
 Calibration Procedure: TP58170011  
 Date Performed: 08-Feb-2024  
 Technician: BD  
 Relative Humidity: 19 %

Calibration Standards

Digital Multi-Meter: Make: HP Model: 34401A S/N: US36079097 Stds. Cal.Due: 31-Dec-2024

As Found Data:

Nominal Value Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%):	Limit (+/-%):	Status:
Resistivity:	20.000 K	20.0433 K	0.22	5.00	PASS
Temperature:	1.4000 K	1.4004 K	0.03	5.00	PASS

Before Calibration Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%):	Limit (+/-%):	Status:
Resistivity:	20.042 K	20.0433 K	0.01	0.08	PASS
Temperature:	1.4004 K	1.4004 K	0.00	0.08	PASS

After Calibration Test Data:

After Calibration Test Results:

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%):	Limit (+/-%):	Status:
Resistivity:	20.043 K	20.0433 K	0.00	0.08	PASS
Temperature:	1.4004 K	1.4004 K	0.00	0.08	PASS

\* Values on the calibrator label may be rounded to fewer digits than the measured values.

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**P/N: 1864-04**  
**Certificate of Test and Accuracy**

Mettler-Toledo Thornton, Inc. hereby certifies that the following instrument performs within specification. The instrument has passed our quality control Certification of Calibration standards and has been calibrated using test standards traceable to the National Institute of Standards and Technology (NIST). Annual calibration is recommended.

Customer:	Mettler-Toledo Pac Rim AG	Date Performed:	08-Feb-2024
Manufacturer:	Mettler-Toledo Thornton, Inc	Technician:	BD
Part Number:	1864-04	Relative Humidity:	19 %
Serial Number:	747620D		
Room Temperature:	23 °C		
Calibration Procedure:	TP58170011		

**Calibration Standards**

Digital Multi-Meter:	Make: HP	Model: 34401A	S/N: US36079097	Stds. Cal.Due: 31-Dec-2024
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**As Found Data:**

**Nominal Value Test Results:**

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%):	Limit (+/-%):	Status:
Resistivity:	1.0000 K	1.0002 K	0.02	5.00	PASS
Temperature:	1.0000 K	1.0000 K	0.00	5.00	PASS

**Before Calibration Test Results:**

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%):	Limit (+/-%):	Status:
Resistivity:	1.0002 K	1.0002 K	-0.00	0.08	PASS
Temperature:	1.0000 K	1.0000 K	-0.00	0.08	PASS

**After Calibration Test Data:**

**After Calibration Test Results:**

Channel:	Label*(ohms):	Measured*(ohms):	Deviation (%):	Limit (+/-%):	Status:
Resistivity:	1.0002 K	1.0002 K	0.00	0.08	PASS
Temperature:	1.0000 K	1.0000 K	0.00	0.08	PASS

\* Values on the calibrator label may be rounded to fewer digits than the measured values.