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Mettler-Toledo Pac Rim AG  
Taiwan Branch (Switzerland)  
Jiu Zong Rd., Neihu District  
Taipei, Taiwan R.O.C., 11494

## Verification/Calibration Certificate M800 Water

Service Order Information			
Account Name	Mettler-Toledo Pac Rim AG	Contact Name	Stanley Lin
Address 1	Taiwan Branch (Switzerland)	Title/Function	
Address 2	Jiu Zong Rd., Neihu District	Phone	+886886226578898
Address 3	Taipei, Taiwan R.O.C., 11494	Email	stanley.lin@mt.com
Service Order	220747556	Procedure	A-TP58170208-A

Customer Equipment			
Model	M800 Water	Tag # / ID	
Part Number	58 000 802	Calibration Date	8-Feb-2024
Serial Number	B723215146	Calibration Due Date	8-Feb-2025

Reference Equipment				
	Manufacturer	Model	Serial	Calibration Due Date
Multimeter	Agilent	34401A	MY41028774	31-Oct-2024
Digital Simulator 1	MT	58110094	5815150566	
Digital Simulator 2	MT	58110095	5815150567	
Digital Simulator 3	MT	58110096	5815150569	
Digital Simulator 4	MT	58110097	5815150570	
Digital Simulator 5				

As Found: Analog Output #1					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	4.00	0.00	0.05	Pass
12.00	mA	12.01	0.01	0.05	Pass
20.00	mA	20.01	0.01	0.05	Pass

As Found: Analog Output #2					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	4.00	0.00	0.05	Pass
12.00	mA	11.99	-0.01	0.05	Pass
20.00	mA	19.99	-0.01	0.05	Pass

As Found: Analog Output #3					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	3.99	-0.01	0.05	Pass
12.00	mA	11.99	-0.01	0.05	Pass
20.00	mA	19.99	-0.01	0.05	Pass

As Found: Analog Output #4					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	3.99	-0.01	0.05	Pass
12.00	mA	11.99	-0.01	0.05	Pass
20.00	mA	19.99	-0.01	0.05	Pass

As Found: Analog Output #5					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	3.99	-0.01	0.05	Pass
12.00	mA	12.00	0.00	0.05	Pass
20.00	mA	20.01	0.01	0.05	Pass

As Found: Analog Output #6					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	3.99	-0.01	0.05	Pass
12.00	mA	12.00	0.00	0.05	Pass
20.00	mA	20.01	0.01	0.05	Pass

As Found: Analog Output #7					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	3.99	-0.01	0.05	Pass
12.00	mA	12.00	0.00	0.05	Pass
20.00	mA	20.01	0.01	0.05	Pass

As Found: Analog Output #8					
Setting		Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00	mA	3.99	-0.01	0.05	Pass
12.00	mA	12.00	0.00	0.05	Pass
20.00	mA	20.00	0.00	0.05	Pass

**As Left: Analog Output #1**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	4.00	0.00	0.05	Pass
12.00 mA	12.01	0.01	0.05	Pass
20.00 mA	20.01	0.01	0.05	Pass

**As Left: Analog Output #2**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	4.00	0.00	0.05	Pass
12.00 mA	11.99	-0.01	0.05	Pass
20.00 mA	19.99	-0.01	0.05	Pass

**As Left: Analog Output #3**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	3.99	-0.01	0.05	Pass
12.00 mA	11.99	-0.01	0.05	Pass
20.00 mA	19.99	-0.01	0.05	Pass

**As Left: Analog Output #4**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	3.99	-0.01	0.05	Pass
12.00 mA	11.99	-0.01	0.05	Pass
20.00 mA	19.99	-0.01	0.05	Pass

**As Left: Analog Output #5**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	3.99	-0.01	0.05	Pass
12.00 mA	12.00	0.00	0.05	Pass
20.00 mA	20.01	0.01	0.05	Pass

**As Left: Analog Output #6**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	3.99	-0.01	0.05	Pass
12.00 mA	12.00	0.00	0.05	Pass
20.00 mA	20.01	0.01	0.05	Pass

**As Left: Analog Output #7**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	3.99	-0.01	0.05	Pass
12.00 mA	12.00	0.00	0.05	Pass
20.00 mA	20.01	0.01	0.05	Pass

**As Left: Analog Output #8**

Setting	Measured (mA)	Deviation (mA)	Limit (±mA)	Pass/Fail
4.00 mA	3.99	-0.01	0.05	Pass
12.00 mA	12.00	0.00	0.05	Pass
20.00 mA	20.00	0.00	0.05	Pass

Relay Function Test			
Relay 1			
Relay State	Requirement	Ohm Meter Reading	Result
On	>20MΩ	>20	Pass
OFF	<1Ω	0.50	Pass
Relay 2			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.52	Pass
OFF	>20MΩ	>20	Pass
Relay 3			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.48	Pass
OFF	>20MΩ	>20	Pass
Relay 4			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.55	Pass
OFF	>20MΩ	>20	Pass
Relay 5			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.53	Pass
OFF	>20MΩ	>20	Pass
Relay 6			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.54	Pass
OFF	>20MΩ	>20	Pass
Relay 7			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.56	Pass
OFF	>20MΩ	>20	Pass
Relay 8			
Relay State	Requirement	Ohm Meter Reading	Result
On	<1Ω	0.48	Pass
OFF	>20MΩ	>20	Pass

Transmitter ISM Communication Verification							
Verification Results: Channel 1			Verification Results: Channel 2				
Simulated Value		Actual Reading	Result	Simulated Value	Actual Reading	Result	
18.180	MΩ-cm	18.180	MΩ-cm	Pass	18.180	MΩ-cm	Pass
1.000	MΩ-cm	1.000	MΩ-cm	Pass	1.000	MΩ-cm	Pass
100.000	kΩ-cm	100.000	kΩ-cm	Pass	100.000	kΩ-cm	Pass
100.000	Ω-cm	100.000	Ω-cm	Pass	100.000	Ω-cm	Pass

