

ITEM OPPORTUNITY SYNOPSIS

Name of the item to be scouted: Gravimetric Pipette Calibration System for Multi-channels

State item to be used in: Ohio

Describe the Item:

Please describe the item application/the end use of item. The gravimetric pipette calibration system is needed to calibrate multichannel pipettes. The instrument must be able to calibrate up to 12 channel pipettes in a single dispense. The instrument must have a single load cell. The package will consist of a balance, a module for multichannel, required weights to verify the balance, suction pump, necessary software, software validation.

Supplier Information:

Type of Supplier being sought (select from list below)

Manufacturer

Contract Manufacturer

Distributor

Other (please specify)

Reason for scouting submission (select from list below)

2nd Supplier

Price

Re-Shore

Past supplier no longer available

New Product Startup

BABA

Other (please specify) Only know manufacturer in Switzerland, Germany and Japan; market survey found a single manufacturer, Mettler Toledo.

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible). Unknown, commercial off the shelf product (XPR105MCP)

Provide dimensions / size / tolerances / performance specifications of the item. Unknown, commercial off the self product (XPR105MCP)

List required materials needed to make the product, including materials of product components, if applicable. Unknown, commercial off the self product; market survey found a single manufacturer, Mettler Toledo.

Are there applicable certification requirements?

Yes

No

Please Explain:

Are there any applicable regulations that apply to the production of this item?

Yes

No

Please Explain:

Are there any other standards, requirements?

Yes

No

Please Explain:

Additional Comments:

Additional technical comments: Must be able to measure up to 12 channel pipettes. Instrument must have a readability of 10 ug. Must be able to measure volumes from 0.5 - 1000 ul pipette volumes. Software ensures methods and reports comply with ISO8655.

Volume and Pricing:

Estimated Potential Business Volume (i.e. #Units per day, month, year): 1 unit

Estimated Target Price / Unit Cost Information: \$67,9488.86

Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc) Instrument will be used immediately.

Describe packaging requirements (i.e., individually/ group packaging). Packaged appropriately to ensure safe delivery

Where will this item be shipped? 26 West Martin Luther King Dr Cincinnati OH 45268

Additional Comments:

Is there other information you would like to include? -Vendor/company must be registered or will register in SAM.gov (<https://sam.gov/content/home>). -This inquiry does not guarantee award of a contract. -EPA requires a commercial off the shelf instrument that is immediately available that meets the technical specifications attached. Vendors shall provide documentation that their proposed product meets or exceeds the technical specifications attached."

Multichannel Pipette Calibration

Compliant to ISO 8655



ISO 8655 Down to 0.5 µL

With readability of 10 µg, the XPR105MCP fulfills the requirements of ISO 8655 for multichannel micropipettes dispensing volumes ≥ 0.5 µL. The outstanding weighing performance ensures accurate calibration results, even for extremely small volumes.



Fast Calibration and Verification

Calibrate up to 12 pipette channels in one dispense. The unique and innovative XPR105MCP tests each pipette channel individually on the same load cell to ensure equal measurement performance. Results are reported in under one minute.



Designed for Ease-Of-Use

With its compact footprint, the XPR105MCP can be operated comfortably in tight bench spaces. Its simple construction allows convenient access for calibrations and cleaning. The system can operate standalone or connect to a second XPR105MCP for increased throughput.



Traceable to ISO Standards

The Calibry PC software supports you with ISO 8655 and 21 CFR part 11 compliance. Its simple user interface guides you through pipette calibration and testing procedures. Calibry stores all results in a secure database, informs you when upcoming tests are due, and can generate customized reports.



XPR105MCP Calibration Balance

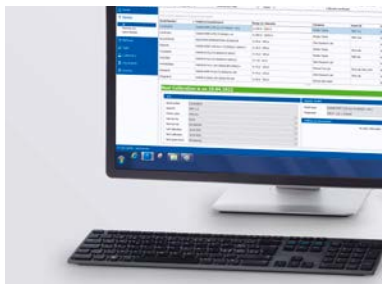
High-Speed Multichannel Pipette Testing

The XPR105MCP is a sophisticated, high-speed solution for ISO calibrations and routine performance verifications of multichannel pipettes with up to 12 channels. With a readability of 10 µg and repeatability of 15 µg, the system fulfills ISO 8655 requirements for multichannel pipettes with dispensing volumes as small as 0.5 µL.

The system has been carefully designed with a single load cell to ensure fast and equal performance for all channels. The 360 measurements needed for a full calibration (12 channels, 3×10 repetitions) can be completed within 25 minutes. The load cell is protected from any leaks and spills to ensure lifelong performance.

The supplementary Calibry PC software guides you through pipette calibration and testing procedures. It ensures accurate and traceable pipette calibrations according to ISO 8655 and 21 CFR part 11 requirements.

Software and Hardware Features for ISO 8655 Multichannel Pipette Calibration



Step-By-Step Testing Guidance

The Calibry PC software guides users through an ISO 8655 compliant calibration, ensuring all steps and calculations are completed correctly, and required tolerances are met.



Data Management and Compliance

User management, report release, change history, and audit trails are all available within Calibry to fully support you with regulatory compliance and 21 CFR part 11.



Automated Traceability and Reporting

Calibry automatically saves all calibration data in a secure SQL database and can generate ISO 8655 compliant reports. All data can also be exported.



Instantaneous Pipette Identification

Identify your pipette in an instant with the optional RFID reader connected to Calibry. Each pipette is easily tracked, ensuring that the correct procedures are used for testing and calibration.



Efficient Balance Testing

An accurate balance means accurate pipettes. The CarePac® weight set with OIML/ASTM 5 g and 100 g weights is perfect for routine performance verifications of an XPR105MCP calibration balance.



Balance Status at a Glance

The automatic StatusLight™ uses color to let you see at a glance if the balance is ready for use (green), if a balance routine test or calibration is due (yellow), or if there is an issue and the balance is blocked (red).

Technical Specifications	XPR105MCP
Capacity/Readability – Fine range	41 g / 0.01 mg
Capacity/Readability – Coarse range	120 g / 0.1 mg
Repeatability system (limit)	0.015 mg
Typical repeatability system	0.009 mg
Waste container volume	17 mL
	1,700 dispenses of 10 µL
Evaporation trap volume (built-in)	20 mL
Typical settling time – 0.1 mg	4 s
Typical settling time – 0.01 mg	6.5 s
Pipettes supported	4–12 channels
Pipette volume range supported	0.5–1,000 µL
Norms supported	ISO 8655 / JIG 646
Typical process time – 12 channels, 200 µL, 3x10 repetitions	25 min*
Typical process time – 8 channels, 10 µL, 2x4 repetitions	7 min*

* depending on the room's environmental conditions and technician experience

System Features	
Connectivity	4xUSB, 1xRJ45
Dimensions (WxDxH)	195x486x205 mm
Weight	12.5 kg

Ordering Information	Material No.
XPR105MCP Calibration Balance:	
XPR105DUHR and MCP module	30786916 and 30785286
Software: Calibry V6.2 or higher	
- Calibry Single Workstation	11138419
- Calibry Network	11138420
Calibry Validation Handbook	11780959
Pipette calibration table	11138042
CarePac test weight set with certificate (5 g / 100 g)	30550615
Water reservoir for pipetting (25 pcs)	17007886
Suction pump with tubes, power supply	30676828, 30388323
Terminal extension cable (4.5 m)	30300920

METTLER TOLEDO Group
Laboratory Weighing
Local contact: www.mt.com/contacts

www.mt.com/XPR105MCP

For more information

Subject to technical changes
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30772004B
Group MarCom RITM943659 NM/MB

Minimum Technical Specifications

The Cincinnati Metrology Laboratory requires a gravimetric pipette calibration system for conducting in-house metrology pipette calibration test of single and multi-channel pipettes.

The Gravimetric Pipette Calibration System with software shall:

- Balance has a resolution of 0.01mg
- Balance has a single load cell
- Calibrate single channel, 8 channel and 12 channel pipettes
- Test multi-channel pipettes from 1 μ l to 1.2ml
- Software must have ISO8655 tolerances
- Include software and interfaces to communicate with system
- Include a suction pump with power supply
- Software must be able to calibrate an 8 channel and 12 channel pipettes
- Must be able to enter environmental conditions into the software
- Be current models and not discontinued models
- Must include installation and calibration of calibration system
- Must include validation of the software
- Must be able to export reports
- Must include installation of software
- Vendor must have a local technician
- Have a warranty of a minimum of 1 year.

All proposals should include the cost of shipping & handling to the EPA's Andrew W. Breidenbach Research Center, Cincinnati OH 45268

Address 1900 Polaris Parkway
Columbus, OH 43240-4035
Phone (800) METTLER
(800) 638-8537

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US Environmental Protection
Tracy Dahling
26 W Martin Luther King Dr
Cincinnati, OH 45268-0001

Send your PO to
MTOrderUS@mt.com

Sales Representative
Mr. Sean Kiamy
Phone +1 (614) 841 5038
E-Mail sean.kiamy@mt.com

Dear Tracy Dahling,

Thank you for choosing METTLER TOLEDO. As a world-leading manufacturer of high precision products, our goal is to make measurement as simple as possible. In addition, METTLER TOLEDO provides a wide range of products designed to help users save time and money, as well as improve accuracy and reliability.

METTLER TOLEDO seeks to provide you, our valued customer, with an optimal solution to your application, process and business demands. From the onset of your immediate or long-term project needs, we are available as a resource to help specify and select quality measurement systems and software products appropriate to your application. For METTLER TOLEDO, our solutions represent a valuable combination of performance, accuracy and precision. In addition, our field service organization is comprised of factory-certified technicians who are trained to meet high quality standards. You can also log on to www.mt.com for up-to-date application and operation details.

We are pleased to send you our quote and are certain this solution will meet your needs and expectations. Please do not hesitate to contact us with any further questions.

Thank you for your business.

Sean Kiamy
Laboratory Sales Specialist

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Sold-To / 300315467

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Customer Contact

Name Tracy Dahling
Phone +1 (513) 569 7429
E-Mail dahling.tracy@epa.gov

Ship-To / 300315467

US Environmental Protection
26 W Martin Luther King Dr
Cincinnati, OH 45268-0001

Bill-To / 300315467

US Environmental Protection
26 W Martin Luther King Dr
Cincinnati, OH 45268-0001

Item	Description	Product ID	Qty	Unit	Price Per Unit	Total USD
10	Balance XPR105DUHR ISO 8655 compliant multichannel pipette calibration and verification; 10 µg readability; 0.5 – 1000 µL pipette volumes; measures up to 12 channels; 17 mL waste tank; 360 measurements in 25 min; small footprint; easy to clean; Calibry compatible Approx. lead time excluding transport: 20 working days, shipping from: Worthington (Ohio, US) Commodity Code: 9016002000 Country of Origin: CH Maximum Capacity : 120 g/41 g Repeatability, typical : 0.009 mg Adjustment : Internal (automatic/FACT)	30786916	1	EA	18,500.00	18,500.00
	Readability : 0.1 mg; 0.01 mg Settling Time : 6.5 s Repeatability : 0.015 mg					

Calibrations Compliant with ISO 8655

ISO 8655 Compliant Down to 0.5 µL

With a readability of 10 µg, the XPR105MCP fulfills ISO 8655 requirements for multichannel pipettes dispensing volumes ≥ 0.5 µL.

Fast Calibration and Verification

The results of a single dispense of 12 channels are calculated in under one minute. For increased throughput, simply connect a second XPR105MCP.

High-Performance and Durability

The single load cell ensures equal measurement performance across all 12 pipette channels. Its sealed design prevents damage from spills.

For more Details:
www.mt.com/XPR105MCP



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Item	Description	Product ID	Qty Unit	Price Per Unit	Total USD
30	MCP-R/01 Module ISO 8655 compliant multichannel pipette calibration and verification; 10 µg readability; 0.5 – 1000 µL pipette volumes; measures up to 12 channels; 17 mL waste tank; 360 measurements in 25 min; small footprint; easy to clean; Calibry compatible Approx. lead time excluding transport: 12 working days, shipping from: Worthington (Ohio, US) Commodity Code: 9016002000 Country of Origin: DE Calibrations Compliant with ISO 8655 ISO 8655 Compliant Down to 0.5 µL With a readability of 10 µg, the XPR105MCP fulfills ISO 8655 requirements for multichannel pipettes dispensing volumes ≥0.5 µL. Fast Calibration and Verification The results of a single dispense of 12 channels are calculated in under one minute. For increased throughput, simply connect a second XPR105MCP. High-Performance and Durability The single load cell ensures equal measurement performance across all 12 pipette channels. Its sealed design prevents damage from spills. For more Details: www.mt.com/XPR105MCP	30785286	1 EA	23,750.00	23,750.00
40	Suction pump Approx. lead time excluding transport: 12 working days, shipping from: Worthington (Ohio, US) Commodity Code: 8413500050 Country of Origin: CH	30676828	1 EA	2,245.00	2,245.00
50	Power supply 60W 12VDC packed Approx. lead time excluding transport: same day, shipping from: Worthington (Ohio, US) Commodity Code: 8504409520 Country of Origin: JP	30388323	1 EA	222.00	222.00



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Item	Description	Product ID	Qty	Unit	Price Per Unit	Total USD
60	CarePac OIML 5g/100g F2 Cal CarePac® Small 100g F2 / 5g F2 including accessories for handling and cleaning and a calibration certificate Approx. lead time excluding transport: 10 working days, shipping from: Thorofare (New Jersey, US) Commodity Code: 8423909000 Country of Origin: US Density ρ : 7950 (\pm 140) kg/m ³ Calibration Certificate : Yes Material : Stainless Steel	30550615	1	EA	580.00	580.00
					Susceptibility X : < 0.8 Box : Plastic box (included) Content (set up) : 5g/100g F2	

CarePac

Cost savings

Only what is needed for routine testing, two weights rather than the entire set of weights.

Option for 3rd weight

CarePacs offer the option of adding a third weight of between 1 mg and 100 g for customized testing, e.g. determination of minimum weight.

Professional accessories

CarePacs come with either ergonomic tweezers and weight forks, as well as either clean-room approved gloves and cleaning cloths.

For more Details:
www.mt.com/weights



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Item	Description	Product ID	Qty	Unit	Price Per Unit	Total USD
70	Software Calibry single Calibry Single Approx. lead time excluding transport: 2 working days, shipping from: Worthington (Ohio, US) Commodity Code: 8523492020 Country of Origin: CH Pipette Calibration Software Efficient and Compliant Calibration Calibration task planning, guided methods, pipette database, PDF reports, fully compliant data and also tailored to your needs, all this is only offered with Calibry ISO8655 & Traceable results Calibry software ensures methods and reports comply with ISO 8655, and saves all the calibration data to a secure SQL database. Support for 21CFR Part 11 Calibry offers many features to support FDA 21 CFR Part 11, such as user management, report release, method change history and an audit trail For more Details: www.mt.com/pipcal	11138419	1	EA	6,325.00	6,325.00
71	License Calibry Audit trail Approx. lead time excluding transport: 2 working days, shipping from: Worthington (Ohio, US) Commodity Code: 4911998000 Country of Origin: CH	30415771	1	EA	3,105.00	3,105.00
72	License Calibry User management Approx. lead time excluding transport: 2 working days, shipping from: Worthington (Ohio, US) Commodity Code: 4911998000 Country of Origin: CH	30415770	1	EA	1,285.00	1,285.00
80	License Calibry Export files Approx. lead time excluding transport: 2 working days, shipping from: Worthington (Ohio, US) Commodity Code: 4911998000 Country of Origin: CH	30417468	1	EA	935.00	935.00
90	Doc. Calibry Validation Approx. lead time excluding transport: 12 working days, shipping from: Worthington (Ohio, US) Commodity Code: 4901990050 Country of Origin: CH	11780959	1	EA	3,490.00	3,490.00
Order Handling Charge						29.00
Product Sub-Total						60,466.00



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Services

Item	Service Description	Qty	Unit	Price Per Unit	Price	Total USD
11	EQPac Comprehensive Qualification				1,432.90	1,432.90
	Products being serviced					
	Balance XPR105DUHR	1	EA	1,432.90		
	Included Services					
	EQPac Qualification Delivery EA					
	Install Equipment EA					
	Calibrate ISO17025					
	Calibrate Manufacturer Annex					
16	Service Plan - 2 Visit(s)					
	Extended Care				1,259.96	1,259.96
	Products being serviced					
	Balance XPR105DUHR	1	EA	1,259.96		
	Included Services					
	Full Preventive Maintenance OnSite EA					
	Repair Coverage Full					
	Hours of Operation: Monday – Friday, 8 am – 5 pm					
	Response: 1 Day Response					
	Calibrate ISO17025					
	Calibrate Manufacturer Annex					
	Specific Terms & Conditions may apply; Calibration available separately					
100	Validate Software HR				3,848.00	3,848.00
	Products being serviced					
	Software LabX Balance Express	1	EA	3,848.00		
	Zone Travel Charge					942.00
	Service Sub-Total					7,482.86
	Total excl. tax					67,948.86

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Terms and Conditions

Payment Terms
Incoterms 2020
Quotation Valid Until
Ordering Costs
Prices and Taxes
General Conditions

Due 30 Days from Invoice Date

FCA MT Columbus/Worthington

06/25/2023

Shipping charges are not included.

State and local taxes are not included.

This order is exclusively subject to METTLER TOLEDO's standard terms and conditions of sales and service found at www.mt.com/terms which are incorporated herein. METTLER TOLEDO expressly rejects any additional, conflicting or different terms and conditions. MT may require a down payment that is due at order placement and any other payments are due net 30 calendar days from the date of invoice. Prices may be adjusted at the time of performance to include any necessary surcharge(s).

Mettler-Toledo specifically rejects any provision mandating health measures or safety protocols related to COVID-19, including vaccination, on Mettler-Toledo personnel or Mettler-Toledo operations that Mettler-Toledo has not expressly agreed to in writing, with the exception of on-site requirements.

This order is exclusively subject to METTLER TOLEDO's standard terms and conditions of sales and service found at www.mt.com/terms which are incorporated herein. METTLER TOLEDO expressly rejects any additional, conflicting or different terms and conditions.

Return Policy: This order is expressly subject to the METTLER TOLEDO Return Policy, which can be accessed at www.mt.com/legal and is incorporated herein by reference.

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