



Signed-off Scope Of Work

Title: Service and certification of Autotitrators (Mettler Toledo T9)

Document type:

Signed-off scope of work

SIGNED-OFF SCOPE OF WORK: CONTRACT	Template	
	Revision: 0	Page 2 of 5

CONTENTS

	Page No
1. PURPOSE	3
2. SCOPE OF WORK	3
3. MAN-POWER PLAN	4

SIGNED-OFF SCOPE OF WORK: CONTRACT	Template	
	Revision: 0	Page 3 of 5

1. PURPOSE

Laboratory instruments are the heart of chemical services, as they are required to monitor the processes for the water treatment plants as well as cycle chemistry to ensure that the requirements of Long Term Plant health are achieved and to meet the surveillance requirements set in the chemistry standards. According to the instrument OEM and Tutuka Power Station chemical services quality manual laboratory instruments need to be serviced annually to ensure that they are accurate, precise and remain in a serviceable condition.

2. SCOPE OF WORK

2.1 Executive overview

Service and Certification of Analytical Equipment (Autotitrators Mettler Toledo T9 Model), 3 x T9 titrators, 3 x Dosing Unit, 6 x Autosampler, 6 X Burette for a period of 3 years as follows:

2025 Service should include the following:

Certification (Titrator)
 Service (Titrator)
 Service (Rondo/InMotion)
 Service (InMotion PRO/MAX)
 Service (Burette Drive)
 Certification (Burette Drive)
 Certification (Titrator Sensor Card Option)
 Certification (Burette)
 Service (Burette)
 Service (InMotion FLEX)
 Dispensing Tube, 1.35m
 Siphon tip set, 5 Pcs.
 Glass cylinder 20 mL
 Piston 20 mL
 Stopcock, PTFE disk
 Glass cylinder 10 mL
 Piston 10 mL
 Buffer pH 4.01, 6X250mL
 Buffer pH 7.00, 6X250mL
 Rinse tube to connect the diaphragm pump with PowerShowerTM
 Electrode Check (Conductivity) [up to 3]
 Electrode Check (pH Aqueous) [up to 4]
 Conductivity board (1x combined conductivity and NTC, 1x pH/mV,
 1x PT1000, 1x RS232C)
 Novoprene Tubes (1x1m, 10x118mm)
 DM141-SC Combined silver ring electrode with ceramic frit for
 argentometric titrations.
 Propeller stirrer for Compact stirrer

SIGNED-OFF SCOPE OF WORK: CONTRACT	Template	
	Revision: 0	Page 4 of 5

DGi117-Water Plug & Play combined pH electrode with ground-glass sleeve junction and integrated temperature sensor for titrations in aqueous media.
Installation, Method Setup, Training

2026 Service should include:

Certification (Titrator)
Service (Titrator)
Service (Rondo/InMotion)
Service (InMotion PRO/MAX)
Service (Burette Drive)
Certification (Burette Drive)
Certification (Titrator Sensor Card Option)
Electrode Check (pH Aqueous) [up to 4]
Certification (Burette)
Service (Burette)
Service (InMotion FLEX)
Buffer pH 4.01, 6X250mL
Buffer pH 7.00, 6X250mL
DV1020 - Interchangeable burette
DV1010 - Interchangeable burette
Installation, Method Setup, Training (Support)
Electrode Check (Conductivity) [up to 3]

2027 Service should include:

Certification (Titrator)
Service (Titrator)
Service (Rondo/InMotion)
Service (InMotion PRO/MAX)
Service (Burette Drive)
Certification (Burette Drive)
Certification (Titrator Sensor Card Option)
Certification (Burette)
Service (Burette)
Service (InMotion FLEX)
Installation, Method Setup, Training
Travel Cost (Support)
Glass cylinder 20 mL
Piston 20 mL
Stopcock, PTFE disk
Glass cylinder 10 mL
Piston 10 mL
Buffer pH 4.01, 6X250mL
Buffer pH 7.00, 6X250mL

2.2 Deficiencies and Modifications

- The *Contractor* must inform the *Employer* in writing of the deficiencies in their area of maintenance responsibility.

SIGNED-OFF SCOPE OF WORK: CONTRACT	Template	
	Revision: 0	Page 5 of 5

- The *Contractor* must inform the *Employer* about any factor known to them that may affect plant health performance.

2.3 Clean up

The *Contractor* is responsible for cleaning up the site, free of rubble. After completion of the works and clean up, the *Service Manager* shall be called to inspect the site and ensure that it is in a presentable state. The *Employer's* Environmental Section will do ad-hoc inspections on your work site, as well as a final inspection on the dumping site.

2. PPE.

PPE to be provided by the contractor as per Eskom Regulations

3. MAN-POWER PLAN

1 service technician/engineer required

CONTROLLED DISCLOSURE