

# UDS ATOM

Dedicated software  
for OT/IT convergence



Reference Manual

**Sourcer Mettler**

**Toledo**

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# 1 Introduction

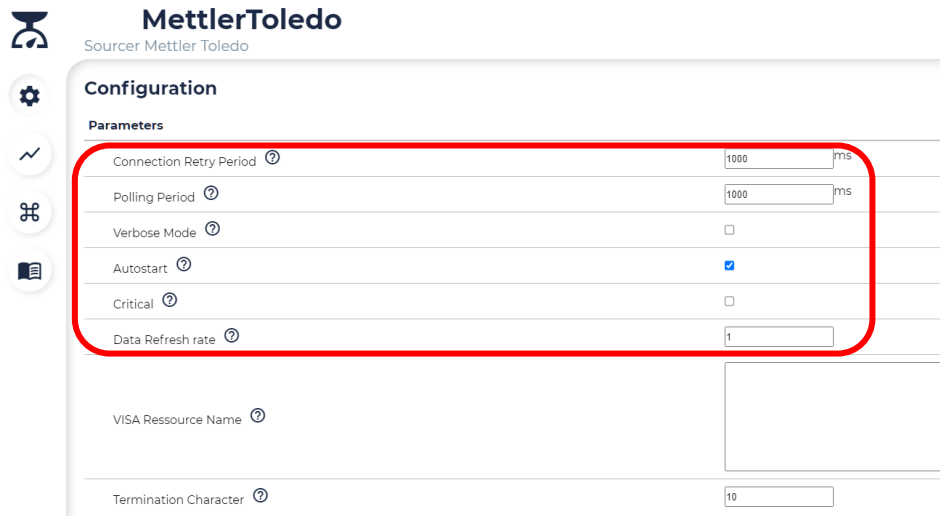
Mettler Toledo Client is a UDS Atom sourcer that allows users to quickly and easily establish connections to Mettler Toledo devices in order to send specific commands or retrieve data. This allows Mettler Toledo weighing solutions to be integrated with other applications, such as Cloud-based and ERP/MES systems.

Mettler Toledo Client provides reliable connections to any Mettler Toledo device that supports SICS TCP connections.

Numerous variables, corresponding to SICS protocol, can be assigned to Tags in UDS Atom in order to access multiple device parameters, as well as to monitor data coming from industrial balances.



## 2 General configuration



**MettlerToledo**  
Sourcer Mettler Toledo

### Configuration

**Parameters**

Connection Retry Period <sup>?</sup>	1000	ms
Polling Period <sup>?</sup>	1000	ms
Verbose Mode <sup>?</sup>	<input type="checkbox"/>	
Autostart <sup>?</sup>	<input checked="" type="checkbox"/>	
Critical <sup>?</sup>	<input type="checkbox"/>	
Data Refresh rate <sup>?</sup>	1	
VISA Resource Name <sup>?</sup>		
Termination Character <sup>?</sup>	10	

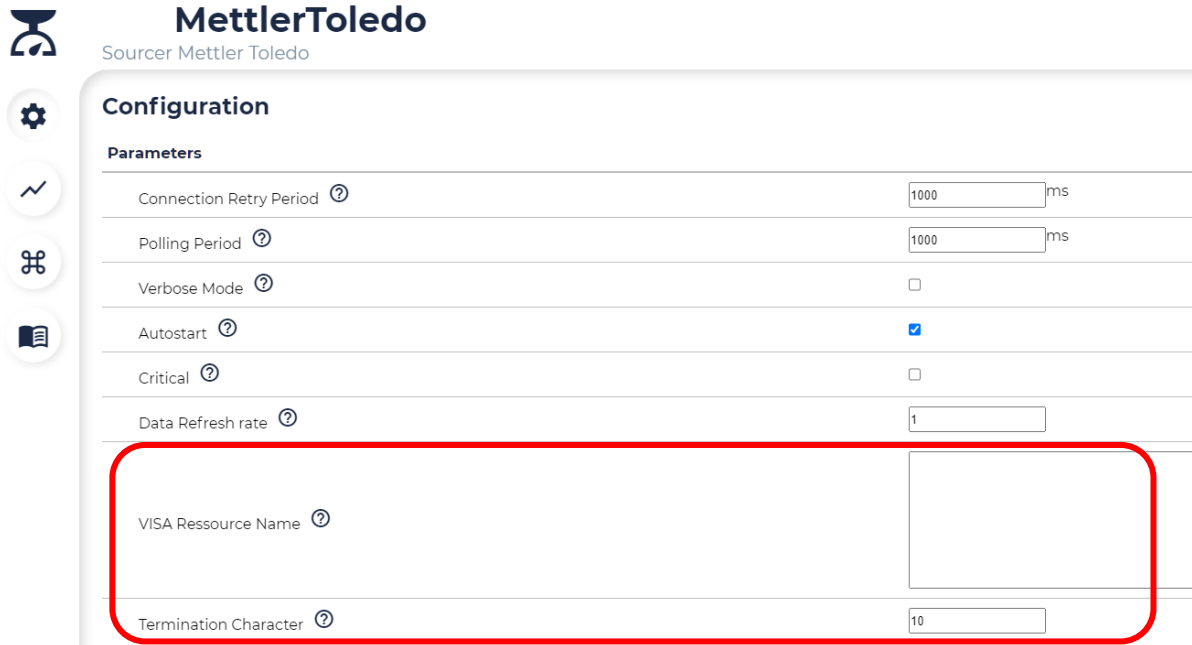
Every sourcer have a common set of parameters (highlighted in red on the above figure)

- **Connection Retry Period:** Time before trying to re-open the connection after a failed attempt, displayed in milliseconds.
- **Polling Period:** The polling period (in milliseconds) is the amount of time that passes before the sourcer communicates updated values to UDS Atom.
- **Verbose Mode:** When this option is set to true, the sourcer provides additional information as to what the sourcer is doing in the logbook.
- **Autostart:** When **Autostart** is set to true, the sourcer will start automatically after UDS Atom startup. If set to false, the sourcer will be in **Stand-by** state.
- **Critical:** When this option is set to true, the sourcer will send a notification when it's down.
- **Data Refresh rate:** This parameter determines the rate which data is sent to the hub. This parameter is tied to **Poll Period**. For example, setting a **Data Refresh Rate** to 10 with a **Poll Period** to 2000 means that a bunch of 10 samples will be sent every 20 seconds.



## 3 Mettler Toledo Client configuration

### 3.1 Specific configuration



**MettlerToledo**  
Sourcer Mettler Toledo

#### Configuration

**Parameters**

Connection Retry Period ?	<input type="text" value="1000"/>	ms
Polling Period ?	<input type="text" value="1000"/>	ms
Verbose Mode ?	<input type="checkbox"/>	
Autostart ?	<input checked="" type="checkbox"/>	
Critical ?	<input type="checkbox"/>	
Data Refresh rate ?	<input type="text" value="1"/>	
VISA Ressource Name ?	<input type="text"/>	
Termination Character ?	<input type="text" value="10"/>	

Mettler Toledo client have some specific parameters among the followings:

- Visa ressource name: String connector used to address
- Termination character: Termination Character used by the IND690 in decimal format (by default 10)



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