

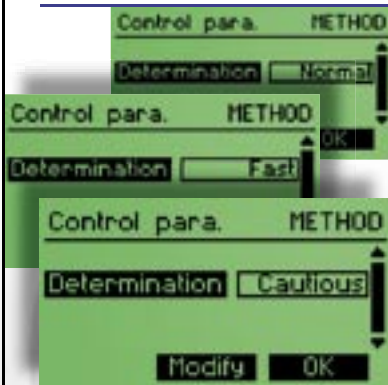


# Your value... ...our proposition the 6 features of an easy-to-use titrator.

The DL28 is an easy-to-use, compact endpoint and equivalence point titrator for the food, water and chemical industries. It includes very many methods commonly used in the field, with predefined parameters to make life as easy as possible.

## From an easy start...

### 1. Predefined parameters



To simplify operation, when you select control parameters for the titration, you need only select from 3 predefined choices, making additional method development unnecessary. However, if needed, you can access all parameters for fine-tuning, increasing flexibility and allowing methods to be further optimized.

### 2. Intuitive and programmable interface



The interface is very intuitive, and by simply pressing the RUN button twice you can start the method you ran last. This is very convenient for users who usually run the same method all the time. For those, however, who want to have more methods at their fingertips, the DL28 offers a softkey concept. This allows you to assign three methods to the F1 to F3 softkeys so that they are always easy to find and start.

### 3. Pictogram keys



The titrator has pictogram keys for the most frequently used manual functions. For example, if you just want to activate the stirrer to dissolve a solid sample, rinse the tip of the burette to remove old titrant or manually measure the pH of a sample, all you need to do is just press the appropriate pictogram key.



With these 6 features and the possibility to set up applications for acid-base, argentometric and redox titrations you can cover almost all applications.

...to optimized solutions

6.

## Results with predefined units sent to printer

The titrator automatically calculates results with predefined units. Depending on the method, METTLER TOLEDO has predefined the most common calculations and corresponding units. For special cases you can still multiply with a factor or subtract a constant. After the calculation, the results are stored and can be sent as a report to a METTLER TOLEDO RS-P42 lab printer or other commercially available printers.

5.

## Mobile phone-like keypad

For alphanumeric input a mobile phone-like keypad makes life very easy with no need for an external keyboard. It has never been so easy to enter the name of a titrant or store a method under a new name. However, if the cursor is in a field where only numbers are accepted, for example sample weight, the keypad is set by default to «numeric» which ensures you can work as fast as possible.

4.

## Built-in database

For setup possibilities such as adding titrants and sensors, setting up the connection to peripherals such as printers, computers, balances, ...or to program the soffkeys, the DL28 has a built-in database, which is accessible via the setup function key. To select an existing method from the method list or create a new one, you are clearly guided through all the necessary steps via the method function key. If you want to run a series with the same method, you select the series function key and enter the number of samples with the corresponding weight or volume.

## METTLER TOLEDO Applications brochure

To get a quick overview of all the methods for your market, have a look at the applications brochure where all the Mettler Methods are described. The brochure also explains how to set them up with the DL28. Ask your local METTLER TOLEDO representative for a copy.

## Functions and specifications of DL28

<b>Analysis</b>	Acid/base Precipitation (Cl, Br, ...) Redox Complexometric Photometric pH measurements Ion selective measurements	<b>Display and user interface</b>	Online curve Alphanumeric entry with special characters, subscripts and superscripts Programmable softkeys for rapid method start
<b>Methods and Databases</b>	Predefined Mettler Methods Memory for own methods Selection lists for titrants and sensors	<b>Documentation</b>	GLP-conforming printout Printout of titration curves
<b>Control and evaluation</b>	End point titration (EP) with dynamic and incremental addition of titrant Equivalence point titration (EQP) with dynamic and incremental addition of titrant Predefined, selectable parameters (Fast, Normal, Cautious for titrant addition) Open Parameters Equilibrium or time increment controlled measurement value transfer Steepest jump Predefined formulas for the most important calculations Statistics for up to 100 samples	<b>Dispensing</b>	Interchangeable burettes 1, 5, 10, 20 mL Maximum number of steps per burette volume 1/10000 Filling time 20 s
		<b>Auxiliary functions</b>	Manual dispensing, stirring, pH value and temperature measurement, direct access to results, reports and setup information
		<b>Technical specifications</b>	Signal resolution $\pm 0.1$ mV Voltage range $\pm 2000$ mV

## Peripherals

### Sensor input:

(pH/mV)

- DG115
- DG111
- DG113
- DM141
- DP5 Phototrode™

### Sensor input:

- PT1000

### Sensor input

(polarized)

- DM143

- Magnetic stirrer

- Interchangeable burette 20 mL (DV 1020)

- Cable to connect commercial printers

- If you work in a difficult environment, protect your DL28 with the protection cover.

- Overhead stirrer

- Balance connections for most available laboratory balances

- METTLER TOLEDO RS-P42 printer

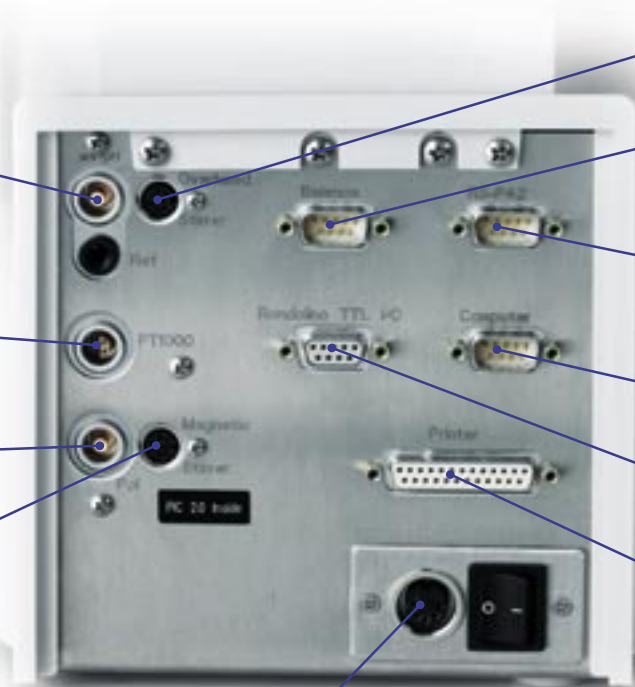
- Computer

- TTL input/output

- Centronics interface for commercial printers (PCL 3 emulation)

- Power supply

- Standard equipment
- Available accessories



At the back of the instrument, clearly labelled connectors show you where to plug in your sensor, balance, stirrers... You also see at a glance what other accessories can be used with the DL28.



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Environmental management system ISO 14001  
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