

Liquid Handling

Digitrate



182-026



Digitrate Pro™, Digital Burettes, 0-30 and 0-50 ml

The new streamlined Digitrate Pro™ digital burette and electronic dispenser delivers accurate, precise and convenient bottle-top titration.

- Accuracy within $\pm 0.2\%$, Precision better than 0.1% Resolution 0.01 ml
- Continuous display of volume dispensed with zero reset feature for multiple titrations
- Simple user calibration and factory reset for ISO 9000 & GLP requirements
- Visible borosilicate glass barrel protected with a transparent polypropylene sleeve allows inspection of liquid before dispensing
- Safe anti-tip amber glass reservoirs with side filler neck
- Chemically resistant and autoclavable liquid pathway
- Bubble free dispensing

The Digitrate Pro's head can be conveniently rotated 360° for operator safety and comfort, whilst the new see-through barrel ensures bubble-free titration. When left unattended, Digitrate Pro™ will automatically switch off without losing the previous titrated volume. The Digitrate Pro™ does not drip when in static mode

A new safety pedestal valve allows the Digitrate Pro™ fluid path to be turned off manually to prevent accidental delivery. Its right-angled spout is also designed to enhance safety in use.

Digitrate's robust outer casing does not move during the priming or dispensing sequences whilst its PTFE plunger and borosilicate glass barrel allows dispensing of aqueous solutions and some aggressive liquids.

Digitrate Pro™ is powered by a 3.6V lithium battery giving a minimum life of 60,000 three-minute titrations. Automatic low battery voltage is indicated on the large easy-to-read LCD window.

Digitrate's liquid-path parts are easily disassembled for sterilisation or autoclaving at 121°C, 2 bar.

Each Digitrate Pro™ is manufactured to an accredited quality system; BS5750 (BS EN ISO 9002). A calibration certificate complete with the unit's serial number is supplied with each unit. Digitrates are CE marked.

Digitrate Pro™

Cat. No.	Description	Incr., ml	Max. vol., ml
182-025	Digitrate Pro™ 0-30ml (with 33, 38 and 45mm adaptors)	0.01	30
182-026	Digitrate Pro™ 0-50ml (with 33, 38 and 45mm adaptors)	0.01	50

Anti-tip Reservoirs

Cat. No.	Description	Cap., litres
262-086	Amber Squat Reservoir with side filler neck	1.4
262-103	Amber Squat Reservoir with side filler neck	2.5
262-087	Amber Winchester Reservoir with side filler neck	2.5
262-096	Clear glass Reservoir with plastic coating and finger-grip handle (single neck)	2.5
262-097	Amber glass Reservoir with plastic coating, finger-grip handle and adaptor (single neck)	4.5

Adaptors

Cat. No.	Description
262-140	33mm threaded bottle adaptor
262-129	38mm threaded bottle adaptor
262-128	40mm threaded bottle adaptor
262-130	45mm threaded bottle adaptor
262-085	Funnel with offset stem for filling reservoir side neck

Detail of Digitrate Pro™ head



Digitrate™, Digital Burettes, 0-30 and 0-50 ml

182-001

Superb accuracy in the volumetric analysis of liquids from these two electronic dispensers.

Eliminate the problems of conventional titration in a simple and infinitely flexible way with the microprocessor-controlled Digitrate™ bottle top digital burette.

Fast, multiple titrating and dispensing is made simple and accurate as Digitrate's electronic display gives an instant, continuous reading of the volume of fluid dispensed. This feature, combined with its low gearing, enables dispensing in individual increments of 0.01ml with an accuracy within $\pm 0.2\%$ and a precision better than 0.1% CV on the maximum volume.

The Digitrate™ head can be conveniently rotated 360° for operator safety and comfort, whilst the new see-through barrel ensures bubble-free titration. When left unattended, Digitrate™ will automatically switch off without losing the previous titrated volume. The Digitrate™ will not drip when in static mode.

A new safety pedestal valve allows the Digitrate fluid path to be turned off manually to prevent accidental delivery. Its right-angled spout is also designed to enhance safety in use, particularly when dispensing into narrow neck containers.

Digitrate's robust, chemically resistant outer casing does not move during the priming or dispensing sequences whilst its PTFE plunger and borosilicate glass barrel allows dispensing of aqueous solutions and some aggressive liquids.

Additionally the Digitrate's glass barrel can be disassembled from the pedestal for thorough cleaning. This also ensures that in the unlikely event of damage, you can replace the glass barrel as a spare part rather than have to buy a new digital burette.

Digitrate™ is powered by a 3.6A lithium battery giving a minimum life of 60,000 three-minute titrations. Automatic low battery voltage is indicated on the large easy-to-read LCD window.

Digitrate's liquid-path parts are easily disassembled for sterilisation or autoclaving at 121°C 2 Mbar.

Each Digitrate™ is manufactured to an accredited quality system; BS5750 (BS EN ISO 9002). A calibration certificate complete with the unit's serial number is supplied with each unit. Digitrates are CE marked.

Digitrate™ can be calibrated in your own laboratory to suit local conditions or where viscous liquids are to be titrated.



262-103

Digitrate™

Cat. No.	Description	Incr., ml	Max. vol., ml
182-000	Digitrate™ 0-30ml (with 33, 38 and 45mm adaptors)	0.01	30
182-001	Digitrate™ 0-50ml (with 33, 38 and 45mm adaptors)	0.01	50

Anti-tip Reservoirs

Cat. No.	Description	Cap., litres
262-086	Amber Squat Reservoir with side filler neck	1.4
262-103	Amber Squat Reservoir with side filler neck	2.5
262-087	Amber Winchester Reservoir with side filler neck	2.5
262-096	Clear glass Reservoir with plastic coating and finger-grip handle (single neck)	2.5
262-097	Amber glass Reservoir with plastic coating, finger-grip handle and adaptor (single neck)	4.5

Adaptors

Cat. No.	Description
262-140	33mm threaded bottle adaptor
262-129	38mm threaded bottle adaptor
262-128	40mm threaded bottle adaptor
262-130	45mm threaded bottle adaptor
262-085	Funnel with offset stem for filling reservoir side neck

