

TF™



Autolab

Lab. Dispensing Machine

The Datacolor AUTOLAB™ TF range of gravimetric dispensers provide the best of both worlds: speed, accuracy and maintenance-free performance. Datacolor AUTOLAB™ TF systems are tube-free, eliminating the possibility of sedimentation and therefore any need to clean the system. They use dedicated individual injectors to transfer solution from each dye bottle, removing any possibility of cross contamination. Quicker to dispense than other tubeless gravimetric systems, Datacolor AUTOLAB™ TF also offers unique advantages that help to further automate the process and save time.

Specifications	Autolab TF-40	Autolab TF-80	Autolab TF-88	Autolab TF-120	Autolab TF-128	Autolab TF-160	Autolab TF-168
No. of dispense bottles	40	80	88	120	128	160	168
No. of dyestuff bottles	40	80	80	120	120	160	160
No. of auxiliary bottles (including water)	1 (water)	1 (water)	7+ (water)	1 (water)	7+ (water)	1 (water)	7+ (water)
Number of water valves	3	6	2	6	2	6	2
Size of solution bottles	1L	1L	1L	1L	1L	1L	1L
Size of auxiliary refill bottle	-	-	4L	-	4L	-	4L
Capacity of injector	60ml	60ml	60ml	60ml	60ml	60ml	60ml
No. of dedicated injectors	40	80	80	120	120	160	160
No. of agitation positions (programmable)	40	80	87	120	127	160	167
No. of scales	1	2	1	2	1	2	1
Maximum No. of recipes in one batch	6	12	30	12	42	12	54
Accuracy of gravimetric dispense	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g
Dispense range (kg)	0-4.0	0-4.0	0-4.0	0-4.0	0-4.0	0-4.0	0-4.0
Dispense speed (6 recipes: 3 dyes, 180 cc tot)	6 min	6 min	6 min	6 min	6 min	6 min	6 min
Power Voltage	220-240V	220-240V	220-240V	220-240V	220-240V	220-240V	220-240V
Power Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power Wattage	1.4 kW	1.4 kW	1.4 kW	1.6 kW	2.0 kW	2.2 kW	2.2 kW



TF™

- All products are physically weighed during dispense, ensuring total control and traceability.
- Simple but effective design injector, easy to maintain and low cost.
- Uses dye pot holding trays, with 6 dye pots in each tray, to optimize dispense throughput.
- Dye pot trays can be prepared in advance, saving operator and operation time.
- Dispenses water and chemical simultaneously, accelerating dispense speeds even further.
- Conveyors used to further automate the process (up to 60 recipes can be dispensed without the need for any human intervention).