GILSON PIPETTE SPECIFICATIONS

SYSTEMATIC ERROR = ACCURACY
RANDOM ERROR = REPEATABILITY

DISPENSMAN®												
Model	Part Number	Volume Range	Scaling (mL)	Maximum Permissible Errors							
				Gilson				ISO 8655			
				Systematic Error (mL)	Random Error (mL)	Systematic Error (%)	Random Error (CV*)	Systematic Error (mL)	Random Error (mL)	Systematic Error (%)	Random Error (CV*)
DISPENSMAN 2.5 mL	**F110101**	0.25–2.5 mL	0.05	± 0.012 ± 0.012 ± 0.012	≤ 0.002 ≤ 0.002 ≤ 0.002	± 4.800 ± 0.960 ± 0.480	≤ 0.800 ≤ 0.160 ≤ 0.080	± 0.030 ± 0.030 ± 0.030	≤ 0.010 ≤ 0.010 ≤ 0.010	± 12.000 ± 2.400 ± 1.200	≤ 4.000 ≤ 0.800 ≤ 0.400
DISPENSMAN 5.0 mL	**F110102**	0.5–5 mL	0.10	± 0.030 ± 0.030 ± 0.030	≤ 0.005 ≤ 0.005 ≤ 0.005	± 6.000 ± 1.200 ± 0.600	≤ 1.000 ≤ 0.200 ≤ 0.100	± 0.030 ± 0.030 ± 0.030	≤ 0.010 ≤ 0.010 ≤ 0.010	± 6.000 ± 1.200 ± 0.600	≤ 2.000 ≤ 0.400 ≤ 0.200
DISPENSMAN 10 mL	**F110103**	1–10 mL	0.20	± 0.060 ± 0.060 ± 0.060	≤ 0.010 ≤ 0.010 ≤ 0.010	± 6.000 ± 1.200 ± 0.600	≤ 1.000 ≤ 0.200 ≤ 0.100	± 0.060 ± 0.060 ± 0.060	≤ 0.020 ≤ 0.020 ≤ 0.020	± 6.000 ± 1.200 ± 0.600	≤ 2.000 ≤ 0.400 ≤ 0.200
DISPENSMAN 25 mL	**F110104**	2.5–25 mL	0.50	± 0.150 ± 0.150 ± 0.150	≤ 0.025 ≤ 0.025 ≤ 0.025	± 6.000 ± 1.200 ± 0.600	≤ 1.000 ≤ 0.200 ≤ 0.100	± 0.150 ± 0.150 ± 0.150	≤ 0.050 ≤ 0.050 ≤ 0.050	± 0.588 ± 1.200 ± 0.600	≤ 2.000 ≤ 0.400 ≤ 0.200
DISPENSMAN 50 mL	**F110105**	5–50 mL	1.00	± 0.300 ± 0.300 ± 0.300	≤ 0.050 ≤ 0.050 ≤ 0.050	± 6.000 ± 1.200 ± 0.600	≤ 1.000 ≤ 0.200 ≤ 0.100	± 0.300 ± 0.300 ± 0.300	≤ 0.100 ≤ 0.100 ≤ 0.100	± 6.000 ± 1.200 ± 0.600	≤ 2.000 ≤ 0.400 ≤ 0.200

*CV means Coefficient of Variation