

## APPENDIX - GILSON MAXIMUM PERMISSIBLE ERRORS

Tested mode: AUTO. Speed: 5.

The data conform to ISO 8655-2 Standard.

Model*/Color coding (Reference) Range	Diamond Tips**	Volume ( $\mu\text{L}$ )	Gilson		ISO 8655	
			Systematic error ( $\mu\text{L}$ )	Random error ( $\mu\text{L}$ )	Systematic error ( $\mu\text{L}$ )	Random error ( $\mu\text{L}$ )
<b>C10/Red</b> (F31012) 0.5 - 10 $\mu\text{L}$	D10	0.5	$\pm 0.040$	$\leq 0.017$	$\pm 0.120$	$\leq 0.080$
	DL10	1	$\pm 0.025$	$\leq 0.012$	$\pm 0.120$	$\leq 0.080$
		5	$\pm 0.070$	$\leq 0.025$	$\pm 0.120$	$\leq 0.080$
		10	$\pm 0.080$	$\leq 0.030$	$\pm 0.120$	$\leq 0.080$
<b>C100/Peach</b> (F31013) 5 - 100 $\mu\text{L}$	D200	5	$\pm 0.40$	$\leq 0.18$	$\pm 0.80$	$\leq 0.30$
		10	$\pm 0.30$	$\leq 0.15$	$\pm 0.80$	$\leq 0.30$
		50	$\pm 0.38$	$\leq 0.15$	$\pm 0.80$	$\leq 0.30$
		100	$\pm 0.40$	$\leq 0.20$	$\pm 0.80$	$\leq 0.30$
<b>C300/Green</b> (F31014) 20 - 300 $\mu\text{L}$	D300	20	$\pm 0.90$	$\leq 0.16$	$\pm 4.00$	$\leq 1.50$
		30	$\pm 0.75$	$\leq 0.20$	$\pm 4.00$	$\leq 1.50$
		150	$\pm 0.90$	$\leq 0.23$	$\pm 4.00$	$\leq 1.50$
		300	$\pm 1.05$	$\leq 0.30$	$\pm 4.00$	$\leq 1.50$
<b>C1200/Blue</b> (F31015) 100 - 1200 $\mu\text{L}$	D1200	100	$\pm 2.5$	$\leq 0.4$	$\pm 16.0$	$\leq 6.0$
		120	$\pm 2.4$	$\leq 0.4$	$\pm 16.0$	$\leq 6.0$
		600	$\pm 3.6$	$\leq 0.9$	$\pm 16.0$	$\leq 6.0$
		1200	$\pm 7.0$	$\leq 1.5$	$\pm 16.0$	$\leq 6.0$
<b>C5000/Purple</b> (F31016) 500 - 5000 $\mu\text{L}$	D5000	500	$\pm 12$	$\leq 2$	$\pm 40$	$\leq 15$
		2500	$\pm 18$	$\leq 5$	$\pm 40$	$\leq 15$
		5000	$\pm 30$	$\leq 8$	$\pm 40$	$\leq 15$
<b>8x300 - 12x300/Green</b> (F31034) - (F31044) 20 - 300 $\mu\text{L}$	D300	30	$\pm 1.0$	$\leq 0.18$	$\pm 8.0$	$\leq 3.0$
		150	$\pm 1.5$	$\leq 0.38$	$\pm 8.0$	$\leq 3.0$
		300	$\pm 2.4$	$\leq 0.60$	$\pm 8.0$	$\leq 3.0$

 \* Other models available (single and multichannel).

\*\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement).  
A large range of suitable Gilson Diamond tip is available.  
Please contact your local Gilson distributor for further information.

## SAFETY PRECAUTIONS AND LIMITATIONS OF USE

Please read the entire user's guide prior to using Pipetman Concept.

For safety reasons, it is important to observe the following instructions:

### 1- Battery and electrical specifications

- We strongly recommend you fully charge the battery before using the pipette.

- Your Gilson distributor supplies an AC adaptor that is suitable for your country - either in the pipette box or separately. You must only use an original Gilson AC adaptor specific to this product. Charge the battery in the pipette, using the AC-adaptor or the charging stand, or in the charging stand (slot for additional battery).
  - Use AC-adaptor and charging stand indoors.
  - When handling the battery, do not allow the battery to come into contact with any metallic surfaces. Do not short circuit.
  - Dispose of used batteries in accordance with legal regulations. Batteries may not be disposed of with household waste and may explode if disposed in fire !
    - Li-ion battery pack; 1 Ah / 3.6 V  
Charging time: approx. 2 hours for a fully discharged battery (80% in one hour).  
⚠ Symbol means: Caution, risk of danger.
    - AC adaptor (may be not included; see above)  
Input voltage, country-specific: 100-240 V, 50/60 Hz (0.5A max.)  
Output voltage: +5 V DC; 3.5A (17.5W max.)
- 2- **Do not use Pipetman Concept in a potentially explosive environment** or with potentially explosive chemicals.
- 3- **When pipetting infectious, radioactive, toxic and other hazardous solutions**, please observe all the safety precautions (e.g. wear protective clothing, goggles and gloves) and regulations appropriate for your country.
- 4- **Do not allow the liquid to enter the body of the pipette.**
- 5- **Storage conditions**  
Temperature: -20°C to 50°C  
Humidity max: 80%
- 6- **Temperature of use**  
Between 4°C and 40°C (specifications may vary).
- 7- **Use only original Gilson's Diamond tips, accessories and spare parts.** If the equipment is used in a manner not specified by Gilson in the user's guide, the protection provided in the equipment may be impaired.

*Technical specifications subject to change!*