

# PIPETMAN

## Concept<sup>®</sup>

*Simply a Click  
Away from Perfection*



# Simply a Click Away from Perfection

In our desire to set new standards, we naturally listened to what you had to say. The result is a new motorized electronic pipette even more finely tuned to your needs, a combination of tangible quality with high usability and comfort. Conceived with simplicity and flexibility in mind, Pipetman Concept® features exclusive multifunction characteristics housed in a traditional Gilson design. Fourteen models cover the full range of volumes from 0.5 µL to 10 mL with single and multichannel pipettes.

Simple “One-step”  
command buttons.  
**Just Click!**

Exclusive multifunction  
thumbwheel **to navigate  
and select.**

**Built to last with a body made  
of PVDF**, a plastic that offers  
excellent chemical resistance.

**Adjustable tip-ejector stroke**  
for maximum compatibility with tips.

**New G-F.I.T. System** provides  
an instant reliable consistent seal  
and low ejection forces.



*“With the Pipetman Concept Utility Software  
I now can manage all my pipettes from my computer.”*

**Catherine - Quality manager**



*“Great! It is 3 times faster to fill a 96-well plate  
with a Pipetman Concept multichannel  
than with a mechanical pipette.”*

**Antonio - Technician**





**PC to pipette connection** enables you to create - exchange an unlimited number of modes and offers **enhanced GLP and Service features.**

**Internal memory to support all GLP features:** maintenance alarm and intervals, pipette information, etc.

**Standard 3-point adjustment, plus an additional 4<sup>th</sup> calibration point** to maximize performance at a specific volume.

*"It's probably the simplest and most intuitive pipette that I've ever used. Only 10 minutes to get started without users' guide."*

**John - Researcher**

*"It's the only pipette available on the market that allows me to be GLP compliant in my laboratory."*

**Alice - Head of Laboratory**

# PIPETMAN *Concept*<sup>®</sup>

## GLP *Concept*

### Manage your maintenance program

> Pipetman Concept's internal software allows you to **set the maintenance interval** (weeks or cycles) and **set an alarm that prompts you** when it is time to service your pipette.



> **PC based Utility Software gives you control of your maintenance program.** You can read data from, and export data to your Pipetman Concept, store and organize maintenance reports, which include pipette serial numbers for traceability. All environmental conditions, balance ID and other useful information can be recorded each time you calibrate your pipette.



> **Data compilation, simply essential for Q.A.**

Maintenance, calibration and system settings can be displayed on-screen or on a PC when using the connection kit.

> **Advanced maintenance & reporting data management functions** are available with Pipetman Concept Utility Software. Creating a maintenance report using the maintenance template or customizing it will certainly help for your record.

### Simply indispensable

> **Pipette status** always on screen.

> **Color coding** to identify the model and corresponding Diamond<sup>®</sup> Tip range.

> **Model marked** on the "Action" button.

### Personalize your pipette

> **Color-coded ID Tags** to write your name or application.

> **User-defined stand-by screen text.**



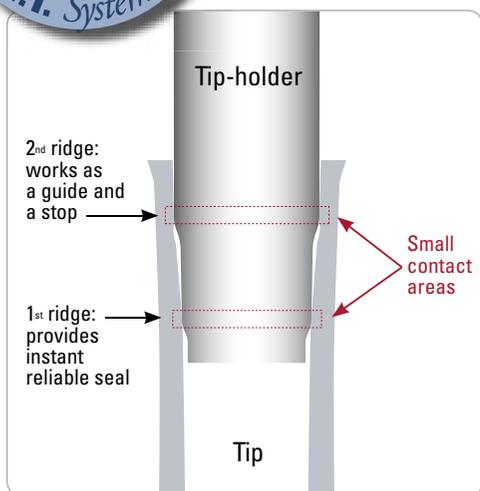
You make  
no compromise  
on quality,  
neither does your  
Pipetman Concept

- **ISO 8655 compliant.**
- **CE / IVD (98/79/EC) compliant.**
- **Keypad disabled during pipetting.**
- **The Utility Software allows to lock the system menu from your PC.**

# ComfortConcept

## Amazingly comfortable operation

- > **Real ergonomic design**  
of handle and keyboard addresses the users' concern for **Repetitive Strain Injuries**, backed up by extensive end-user trials.
- > **Exclusive G-F.I.T. System™**  
The exclusive Gilson Forceless Integrated Tip-ejection System provides **instant reliable seals and low ejection forces** for multichannel and large volume models. **G-F.I.T. System** is compatible with most standard tips.



*Small contact areas*  
=  
*instant reliable seals*  
+  
*low ejection forces*

## Sophisticated, yet simple to operate

- > **Revolutionary volume setting**  
**Patented multifunction thumbwheel** makes Pipetman Concept even more easy-to-use. Just click and scroll to set the volume, to navigate or to select a menu option.
- > **Intuitive user interface**  
Sophisticated electronics driving a user-friendly display with selectable menus and **straightforward navigation**. Pipetman Concept is so easy-to-use that you will wonder why there is a user's guide!
- > **Minimal number of buttons**  
Easy mode and speed selection. Aspirate & dispense using **natural feel "Start" button**.

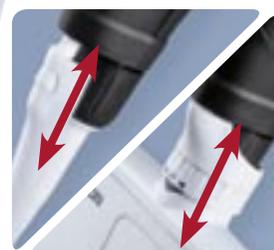


## Laboratory work made easier

- > **Higher productivity**  
The REPETITIVE pipetting mode allows you to **fill a 96-well plate in less than 15 seconds** with a multichannel Pipetman Concept!
- > **Adjustable hook**  
Fits naturally in your hand.
- > **Adjustable tip-ejector button position**  
May be set to suit left or right-handed users.
- > **Adjustable tip-ejector stroke**  
Patented stroke adjustment wheel may be set for maximum tip compatibility and low ejection force.



**Adjustable hook**



**Adjustable tip-ejector stroke**

Simple  
"One-step"  
command buttons,  
just click !

# Multifunction *Concept*

## Powerful Utility Software puts you in control !

### > Create your own modes

The Utility Software lets **create and store any number of modes on your PC and transfer one to your pipette**. Modes are created in no time from pre-programmed tasks. To make your Pipetman Concept even more convenient, they can be **exchanged on the Internet** within a community of Pipetman Concept users.

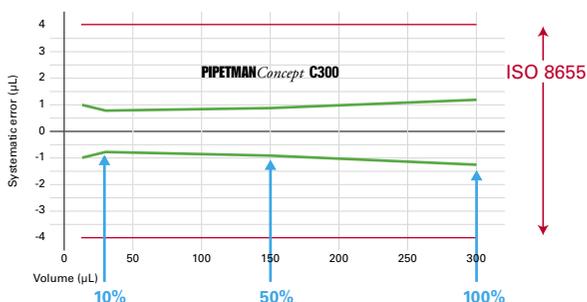


## Calibration is easy and adaptable to your needs

### > Exceeds ISO 8655 Specifications

Pipetman Concept's specifications are more stringent than required for ISO 8655 compliance.

## Gilson Maximum permissible errors vs. ISO 8655



### > Powerful and easy calibration

User's readjustment is performed at the 3 points of calibration recommended by the ISO 8655. Factory settings are stored in the pipette's firmware and can be restored at any time.



> **A fourth calibration point** enables you to maximize performance at a specific volume.

### > On-screen Indicator

After each user adjustment, an on screen indicator shows the number of times your pipette has been readjusted.



## Simple "One-step" command buttons, just click !

### > Thumbwheel

Select and confirm the volume or any other parameter in no time using this **innovative device**.

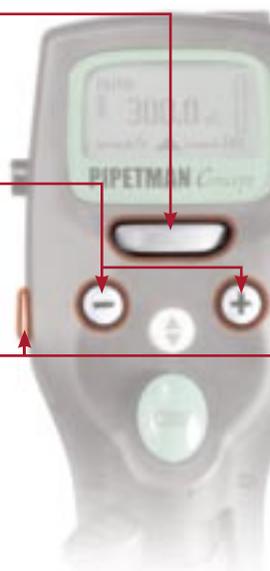
### > Speed Buttons

Rapidly change the aspirate or dispense speeds (1 to 5) at any moment with the +/- buttons.

### > Mode Buttons

Just click to access one of five standard pipetting modes, which represent more than 95 % of current applications:

- Automatic pipetting
- Automatic pipetting + Mixing
- Manual pipetting
- Repetitive dispensing
- Reverse pipetting



# PIPETMAN *Concept*<sup>®</sup>

## Service *Concept*

### Fast servicing in your own laboratory

> Quick and easy pipette user adjustment with maximum accuracy and flexibility:

**One, two, three or four calibration points!**

> **Disassembling and cleaning are easy**

No specific tool is required to dismount and clean your Pipetman Concept, right in your own laboratory.

> **Easy to change battery block**

The rapid charge stand keeps a second battery charged for continuous, autonomous operation.



### Keeping track, Pipetman Concept does it for you

> All factory settings, calibration data and other useful information are **stored in the internal memory** and can be accessed at any time.

> **Automatic maintenance alert** in weeks or cycles.



Pipetman Concept always ready-to-use...



...on the rapid charge stand... using the power supply... using the additional Li-ion battery block

## Pipetman Concept Single-channel Models

Model* w/o AC-adapter	Diamond Tips**	Reference Number	Volume ( $\mu$ L)	Gilson Maximum Permissible Errors		ISO 8655 Maximum Permissible Errors	
				Systematic error ( $\mu$ L)	Random error ( $\mu$ L)	Systematic error ( $\mu$ L)	Random error ( $\mu$ L)
<b>C10</b> 0.5 - 10 $\mu$ L	• D10 • DL10	<b>F31012</b>	0.5	$\pm 0.040$	$\leq 0.017$	$\pm 0.120$	$\leq 0.080$
			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</b> 5 - 100 $\mu$ L	• D200	<b>F31013</b>	5	$\pm 0.40$	$\leq 0.18$	$\pm 0.8$	$\leq 0.30$
			10	$\pm 0.30$	$\leq 0.15$	$\pm 0.8$	$\leq 0.30$
			50	$\pm 0.38$	$\leq 0.15$	$\pm 0.8$	$\leq 0.30$
			100	$\pm 0.40$	$\leq 0.20$	$\pm 0.8$	$\leq 0.30$
<b>C300</b> 20 - 300 $\mu$ L	• D300	<b>F31014</b>	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</b> 100 - 1200 $\mu$ L	• D1200	<b>F31015</b>	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</b> 500 - 5000 $\mu$ L	• D5000	<b>F31016</b>	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>C10ml</b> 1 - 10 mL	• D10ml	<b>F31017</b>	1 mL	$\pm 30$	$\leq 6$	$\pm 60$	$\leq 30$
			5 mL	$\pm 40$	$\leq 10$	$\pm 60$	$\leq 30$
			10 mL	$\pm 60$	$\leq 16$	$\pm 60$	$\leq 30$

## Pipetman Concept Multichannel Models

Model* w/o AC-adapter	Diamond Tips**	Reference Number	Volume ( $\mu$ L)	Gilson Maximum Permissible Errors		ISO 8655 Maximum Permissible Errors	
				Systematic error ( $\mu$ L)	Random error ( $\mu$ L)	Systematic error ( $\mu$ L)	Random error ( $\mu$ L)
<b>8x10</b> 0.5 - 10 $\mu$ L	• DL10	<b>F31032</b>	1	$\pm 0.04$	$\leq 0.02$	$\pm 0.24$	$\leq 0.16$
			5	$\pm 0.08$	$\leq 0.04$	$\pm 0.24$	$\leq 0.16$
			10	$\pm 0.10$	$\leq 0.06$	$\pm 0.24$	$\leq 0.16$
<b>8x100</b> 5 - 100 $\mu$ L	• D200	<b>F31033</b>	10	$\pm 0.25$	$\leq 0.14$	$\pm 1.60$	$\leq 0.60$
			50	$\pm 0.50$	$\leq 0.20$	$\pm 1.60$	$\leq 0.60$
			100	$\pm 0.80$	$\leq 0.25$	$\pm 1.60$	$\leq 0.60$
<b>8x300</b> 20 - 300 $\mu$ L	• D300	<b>F31034</b>	30	$\pm 1.00$	$\leq 0.18$	$\pm 8.00$	$\leq 3.00$
			150	$\pm 1.50$	$\leq 0.38$	$\pm 8.00$	$\leq 3.00$
			300	$\pm 2.40$	$\leq 0.60$	$\pm 8.00$	$\leq 3.00$
<b>8x1200</b> 100 - 1200 $\mu$ L	• D1200	<b>F31035</b>	120	$\pm 5$	$\leq 1.2$	$\pm 32$	$\leq 12$
			600	$\pm 9$	$\leq 1.8$	$\pm 32$	$\leq 12$
			1200	$\pm 12$	$\leq 2.4$	$\pm 32$	$\leq 12$
<b>12x10</b> 0.5 - 10 $\mu$ L	• DL10	<b>F31042</b>	1	$\pm 0.04$	$\leq 0.02$	$\pm 0.24$	$\leq 0.16$
			5	$\pm 0.08$	$\leq 0.04$	$\pm 0.24$	$\leq 0.16$
			10	$\pm 0.10$	$\leq 0.06$	$\pm 0.24$	$\leq 0.16$
<b>12x100</b> 5 - 100 $\mu$ L	• D200	<b>F31043</b>	10	$\pm 0.25$	$\leq 0.14$	$\pm 1.60$	$\leq 0.60$
			50	$\pm 0.50$	$\leq 0.20$	$\pm 1.60$	$\leq 0.60$
			100	$\pm 0.80$	$\leq 0.25$	$\pm 1.60$	$\leq 0.60$
<b>12x300</b> 20 - 300 $\mu$ L	• D300	<b>F31044</b>	30	$\pm 1.00$	$\leq 0.18$	$\pm 8.00$	$\leq 3.00$
			150	$\pm 1.50$	$\leq 0.38$	$\pm 8.00$	$\leq 3.00$
			300	$\pm 2.40$	$\leq 0.60$	$\pm 8.00$	$\leq 3.00$
<b>12x1200</b> 100 - 1200 $\mu$ L	• D1200	<b>F31045</b>	120	$\pm 5$	$\leq 1.2$	$\pm 32$	$\leq 12$
			600	$\pm 9$	$\leq 1.8$	$\pm 32$	$\leq 12$
			1200	$\pm 12$	$\leq 2.4$	$\pm 32$	$\leq 12$

\*Consult your nearest local distributor for availability. \*\* Recommended tip for establishing maximum permissible errors (ISO 8655 requirement).  
A large range of suitable Gilson Diamond tips is available.

## Accessories

	Ref. Number
AC-adapter Europe	F30701
AC-adapter USA/Japan	F30702
AC-adapter UK	F30703
AC-adapter Australia	F30704
Battery block	F3071165
Rapid Charge Stand	F30750
PC connection Kit (including Utility Software)	F30755
Pipetman Concept Utility Software	F3075502
Name Tags	F3071107

**ISO9001 Certified**

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