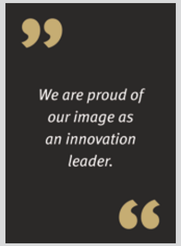
Controller functions comparison

	Function / Features	Pilot ONE® with E-grade „Professional"	Pilot ONE® with E-grade „Exclusive"	Pilot ONE® with E-grade „Basic"
Thermoregulation	Temperature control mode (Internal, Process)	✓	✓	
	Programmer	10 Prg. / max. 100 steps	3 Prg. / max. 15 steps	
	Ramp function	linear, non-linear	linear	
	Controller parameter tuning	TAC (True Adaptive Control)	TAC (True Adaptive Control)	predefined [1]
	Calibration program for control sensor (Internal, Process)	5 Point	5 Point	1 Point
	Monitoring (Level protection, Over temperature protection [2])	✓	✓	✓
	Adjustable limit alarms	✓	✓	✓
	VPC (Variable Pressure Control) [3]	✓	✓	✓
	Venting program	✓	✓	✓
	Compressor automatic control	✓	✓	✓
	Set point limits	✓	✓	✓
	Adjustable heating / cooling power	✓	✓	
Display & Operation	Temperature display NEW	5,7" Touchscreen	5,7" Touchscreen	5,7" Touchscreen
	Display mode	graphic, numeric, zoom	graphic, numeric	graphic, numeric
	Display resolution	0,1 °C / 0,01 °C	0,1 °C / 0,01 °C	0,1 °C
	Graphic display of temperature curves NEW	Window, full screen, scalable	Window, full screen, scalable	Window
	Calendar, Date, Time	✓	✓	✓
	Language: D / E / F / IT / ESP / PT / CZ / PL / RUS / CN / JP NEW	✓	✓	✓
	Temperature format (°C / °F)	✓	✓	✓
	Gesture control NEW	✓	✓	✓
	Easy Control	✓	✓	✓
	Favourites menu NEW	✓	✓	
	2-finger zoom for temperature graph NEW	✓	✓	
	Wallpaper selection NEW	✓	✓	
	User menues (Administrator level)	✓		
	2nd set point	✓		
Connections	Digital interface RS232	✓	✓	✓
	USB interfaces (Host and Device) NEW	✓	✓	✓
	Ethernet RJ45 interface NEW	✓	✓	✓
	External control signal / ECS STANDBY [6]	✓	✓	✓
	Programmable volt-free contact / ALARM [6]	✓	✓	✓
	AIF (Analogue interface) 0/4-20 mA or 0-10 V [7]	✓	✓	✓
	Pt100 external sensor connection	✓	✓	✓
Various	Alarm signal optical / acoustic	✓	✓	✓
	AutoStart (Mains failure automatic)	✓	✓	✓
	Plug & Play technology	✓	✓	✓
	Technical glossary NEW	✓	✓	✓
	Remote control via Spy-Software	✓	✓	✓
	E-grade Evaluation versions available (valid for 30 days) NEW	✓	✓	✓
	Saving/loading of temperature control programs via USB NEW	✓	✓	
	Calendar start	✓		

[1] 30-day evaluation version TAC function available
[2] For units with integrated over-temperature protection
[3] For models with variable-speed pump or an external bypass
[6] Standard on Unistats, otherwise via optional Com.G@te
[7] Via optional Com.G@te

Innovator of the Year 2012



This is the fourth time that Peter Huber Kältemaschinenbau GmbH has won this accolade – and as the Innovator of the Year for 2012, it is one of the main prize-winners in the category for companies with up to 250 employees.

The company's innovative strength impressed the Top 100 panel of judges, Edelgard Bulmahn, Top 100 panel member, said: „Peter Huber succeeds impressively in combining an informal culture of innovation with systematic innovations management. The vibrant innovation culture extends across all levels of the company and the network this creates promotes a productive exchange of ideas among different functions in the company."

More information about the Top 100 project can be found at: www.huber-online.com.

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Pilot ONE®

One for all and all for one!

The new Pilot ONE fits all Unistats, Unichillers and Compatible Control thermostats and is fully backwards compatible with older models, upgrading and modernising almost the entire equipment program through additional functionality.

One for all and all for one – the new **Pilot ONE®** controller

Temperature control is as simple as making a call: Chic design and comfortable operation via a touchscreen, just like a smartphone.

The new **Pilot ONE** is a further milestone in the history of Huber's innovative temperature control systems. This new generation controller, with pioneering technology and advanced control functions, brings numerous advantages to routine work. The extensive features list includes: a brilliant 5.7" TFT touchscreen display, USB and network connections and additional languages. User operation is, as always, at the forefront of our designs and the **Pilot ONE** has a convenient navigation system with icons – making routine work simpler. Software wizards also help you set up, ensuring correct settings and an optimal combination of application and temperature control unit.

Thanks to USB ports, data can now be easily stored directly on a USB stick. The USB port also allows connection of the system to a PC or notebook. Together with the spy software, requirements such as remote control or data transmission are easily achieved in a cost-effective manner. Network integration is easy with the Ethernet port.

Touchscreen technology with the look and feel of a smartphone

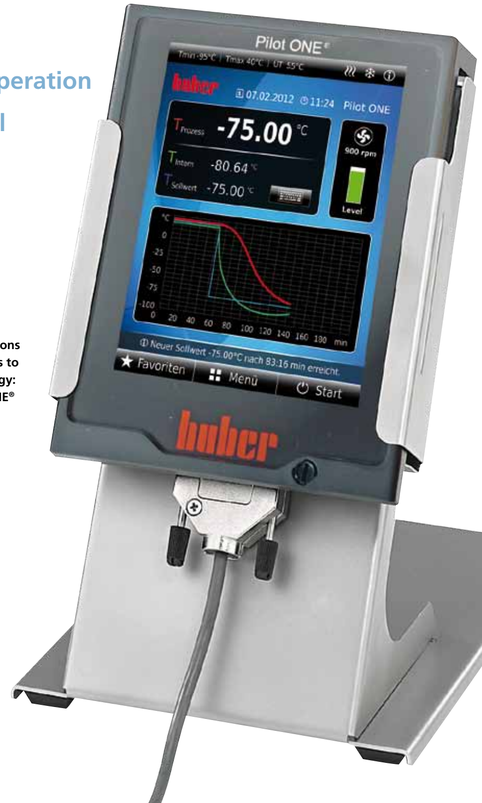
On the new home screen, all the necessary information can be seen at a glance. All important operating parameters and temperature values are neatly displayed and the temperature profile is represented as a real time graph curve. A variable status bar will keep you up to date.

The **Pilot ONE** offers the same easy to use comfort features in familiar "smart-phone" and "Tablet" style icons: image zoom, customisable online help and the ability to present text in 11 languages are useful examples of the ease of use this technology brings.

Our unique Plug & Play technology means that all models are equipped with easily replaceable controllers. This technology allows rapid progress in the development of operator comfort and control. Since the 1980s Huber systems have had removable controllers allowing the basic components of our products to be easily interchanged.

Thanks to backwards compatibility, it is even possible to retrofit old equipment with modern technology. The base unit and controllers are matched automatically – simply remove the old controller, fit the new one and go!

- **Comfortable touchscreen operation**
- **Graphic with 480 x 640 Pixel**
- **5,7" TFT colour display**
- **USB and Ethernet**
- **11 languages**



User friendly, many functions and exchangeable thanks to Plug & Play technology: Pilot ONE®

Plug & Play Controller	Cat.No.	G	Price
Unistat®-Control ONE	503.0010	3	
Pilot ONE®	503.0011	3	

Advantages

new

- User interface with touchscreen, just like using a smartphone
- Comfortable, easy navigation and control
- Bright TFT display with brilliant colours
- Clear, legible display even in bright environments and visible from oblique angles
- Backward compatible, maintaining operation with many Huber systems (models with Nuevo technology, approximately 2006 onwards)
- Extended language support, now offering a range of European and Asian languages
- Extensive integrated help functions
- Built-in glossary of technical operating terms & instructions
- Wizard support for easy start-up, filling, conversion, adjustment, etc.
- Intuitive user interface with ONE click home screen and individually configurable menu favourites:
  - 1-Click for frequently used functions
  - 2-Clicks for freely assignable favourites menu
  - Multi-Click for advanced system settings
- Easily identifiable icons for menu functions
- USB and Ethernet interfaces for communication, control and data recording
- Direct connection of USB data storage
- Graphic representation of temperature gradients
- Two-finger zoom function for graphic elements
- Security concept with multi-level user options

Additional functions (in preparation):
- Remote control via any PC with Internet and LAN
- Encrypted data transmission for Internet connectivity
- Web browser access
- Data saving on USB flash drive, for example for process analysis or service purposes