Modern communication

ComG@te & WebG@te

Modern interfaces enable cable connected data dialogue from Huber thermostats with a PC or a radio link with a normal mobile telephone.

ComG@te – The Namur Standard

The ComG@te allows the usual connections to be made according to the NAMUR standard, and is a standard accessory delivered with the Unistats®. The combination of programmable analogue and digital interfaces enable connection to process control systems.

WebG@te – The ultimate in communication

The WebG@te enables communication of a Huber Unistat via USB or Ethernet as a communications platform. Thus local company networks or the internet are supported as simple alternatives to complex bus systems or individual cable connections.

Wireless communication with a notebook or even a mobile telephone (CLDC1.1, MIDP2.0/CDC, Bluetooth or internet) can be carried out in to ways:

▌ Wireless using the mobile telephone or notebook Bluetooth function and a normal Bluetooth stick connected to the USB port

▌ Wireless using the internet function of the mobile phone via the integrated web server of the WebG@te. Provided the WebG@te has internet access

Cool for service

The integrated web server can send status information via SMTP to a mail server in the local area network. The receiver address can be selected as required.

Also the processing of complex temperature control profiles or the storing of temperature processes using the USB interfaces and USB memory sticks becomes child's play.

The WebG@te is optionally available in place of the ComG@te.

The ComG@te and the WebG@te can be located remote from the Unistat® and connected via a single data cable. This has the advantage that the multiple connection possibilities can be installed simply at the process control system.

Interface	ComG@te	WebG@te
RS232	✓	✓
RS485 (half duplex)	✓	
Volt-free contact (programmable)	✓	✓
AIF Analog-Interface 4-20mA (bi-directional)	✓	
ECS external control signal	✓	✓
Ethernet		✓
USB (Host)		✓
USB (Device)		✓
Cat.No. Ministats®, CC, internal	31217	9620
Cat.No. Unistats®, CC, external	6915	9621
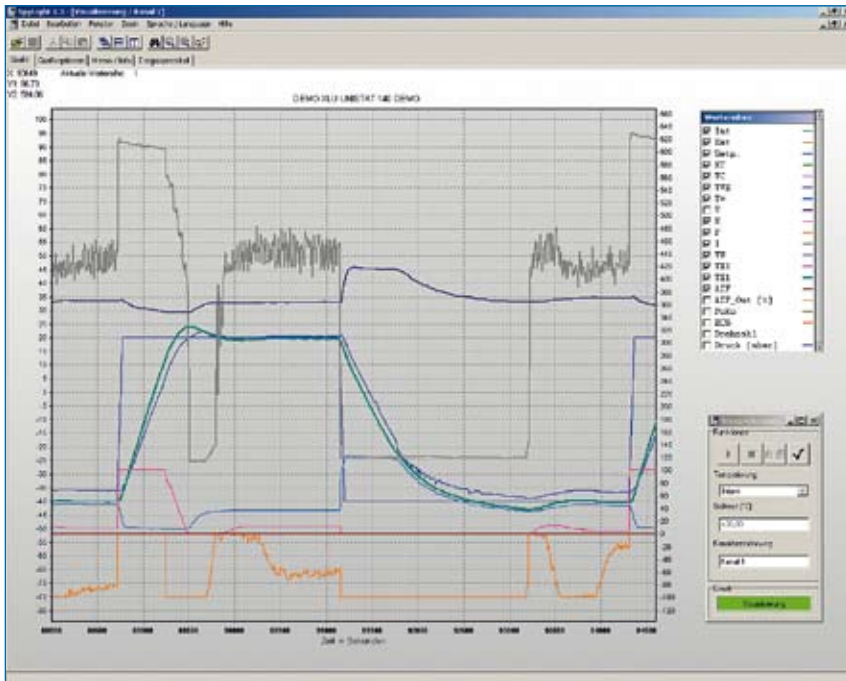
Test with a 20 litre reactor filled with DW Therm
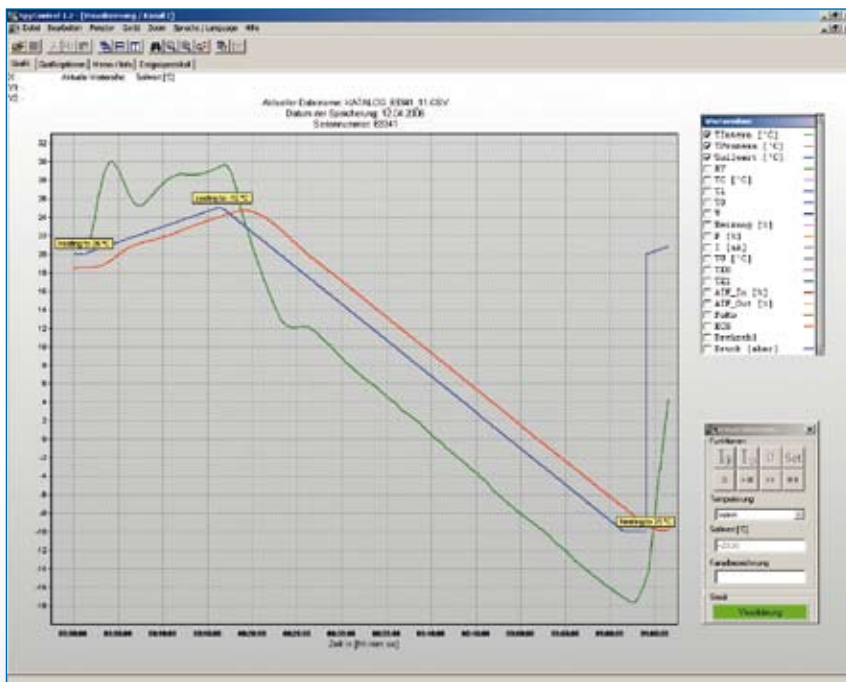
Temperature with ramp function in a 20 litre reactor filled with DW Therm

Huber Software	Cat.No.	G
SpyLight® (1 Channel)	6790	1
SpyWatch® (10 Channel)	6791	1
SpyControl® (10 Channel)	6792	1

SpyLight®

The SpyLight® software enables process relevant data to be visualised and documented. The communication options are RS232, RS485 or TCP/IP. SpyLight® is easy to install, is economic with computer resources and child's play to use. The recorded data is displayed to a base of time. The axes are freely scalable and a zoom function helps the evaluation of individual segments.

SpyWatch®

SpyWatch® is based on the SpyLight® software but offers more features. Installation and operation is identical. SpyWatch® can operate up to 10 channels simultaneously. Each channel is independently documented and the graphic options can be configured as required. SpyWatch® allows the user to ussue the following instructions to the unit:

▌ Set point
▌ Change from jacket to process temperature
▌ Start/Stop

SpyControl®

SpyControl® is software which contains the functions of SpyLight® and SpyWatch®. An additional point is that it offers the possibility to control one or more machines with a programmer. The user can give temperature programs for the machines, which then automatically run. The segments of a temperature control program can be input in a user friendly manner using the so called Temperature control-Xplorer which is a module of SpyControl®. The temperature control programs so produced can be modified or changed and archived. The basic course of a temperature control program can also be displayed graphically.

huber

high precision thermoregulation