

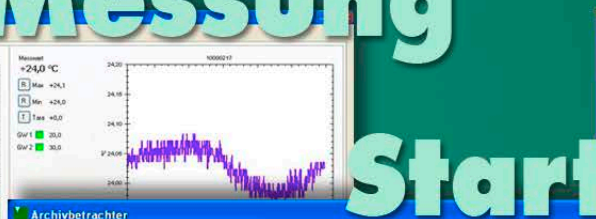
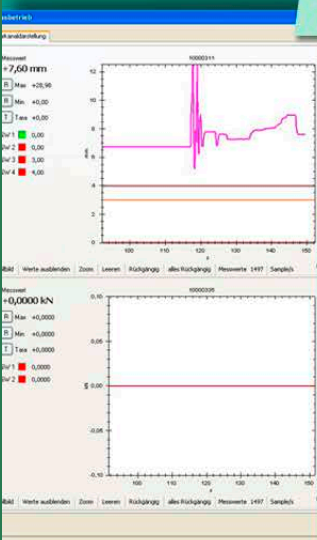


measurement ▼ test ▼ production control

Messung

Gerätewechsel

Start



**Archivbetrachter**

Protokolle	Messdatum	Gerätetyp	Kanal	Bauteil	Charge
OK	13.09.07 11:33:43	9205	1		
OK	13.09.07 11:33:43	9205	2		
OK	13.09.07 11:33:43	9205	3		
OK	13.09.07 11:33:43	9205	4		

**Daten**

Einheit: mm  
 Start: 13.09.07 11:33:43  
 Anzahl: 2057  
 X Max: 205.51  
 Y Min: +0.00  
 Y Max: +28.98  
 GW 1: 0.00 (365)  
 GW 2: 0.00 (2057)  
 GW 3: 3.00 (1612)  
 GW 4: 4.00 (1608)

Cursorposition: 59,2785 8,1515

**DigiVision**

Typ Adresse Seriennummer Stationsname Mode

Parameter	COM4 burster interface port (COM4)	115200, 8 Datenbits - 0 Stoppbits - keine Parität			Hinzufügen Suchen
9205	0	11574	11574		
Parameter	COM25 Prolific USB-to-Serial Comm Port (COM25)	9600, 7 Datenbits - 1 Stoppbit - gerade Parität			Hinzufügen Suchen
9180	01	0	9180 1		
Parameter	COM26 Prolific USB-to-Serial Comm Port (COM26)	115200, 8 Datenbits - 2 Stoppbits - keine Parität			Hinzufügen Suchen
9163	00				
Parameter	COM1920				
9181	01				

Stop



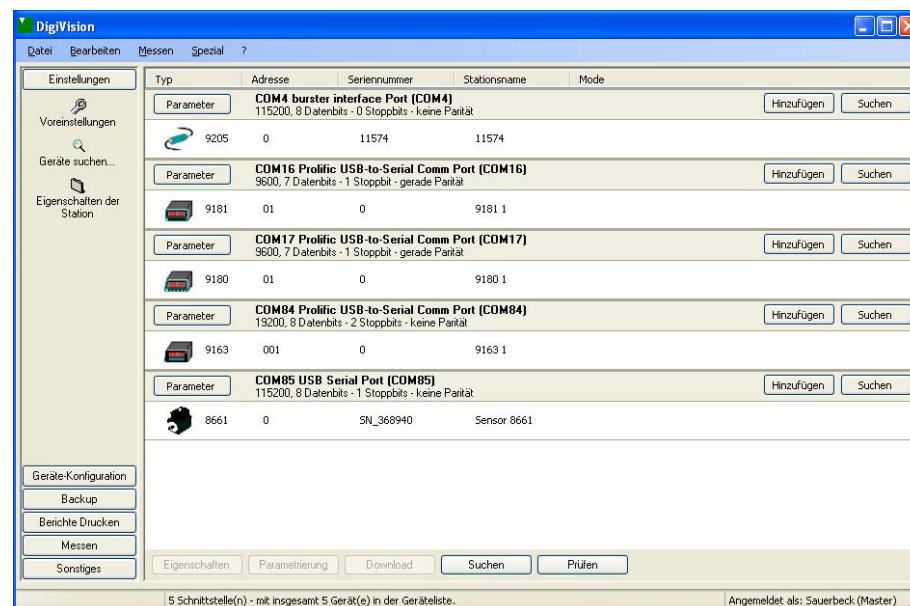
Software  
Eine für Alles



# Convenient sensor and device search with automatic device detection

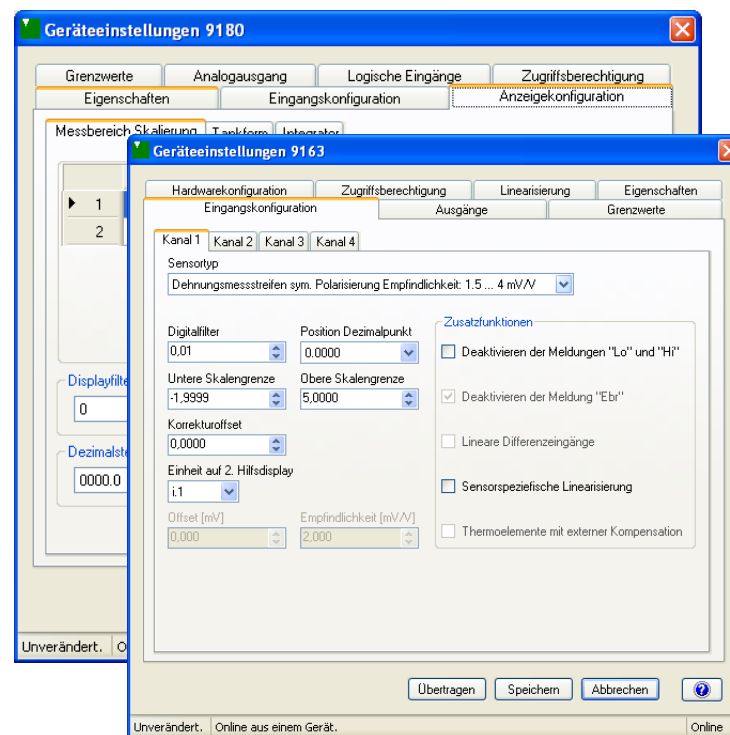
- The convenient sensor and device search facility includes automatic detection of connected devices.

Simply run the search, and the software detects all supported sensors and devices, for instance device types 8661, 9163, 9180, 9181 and 9205 shown in the example.



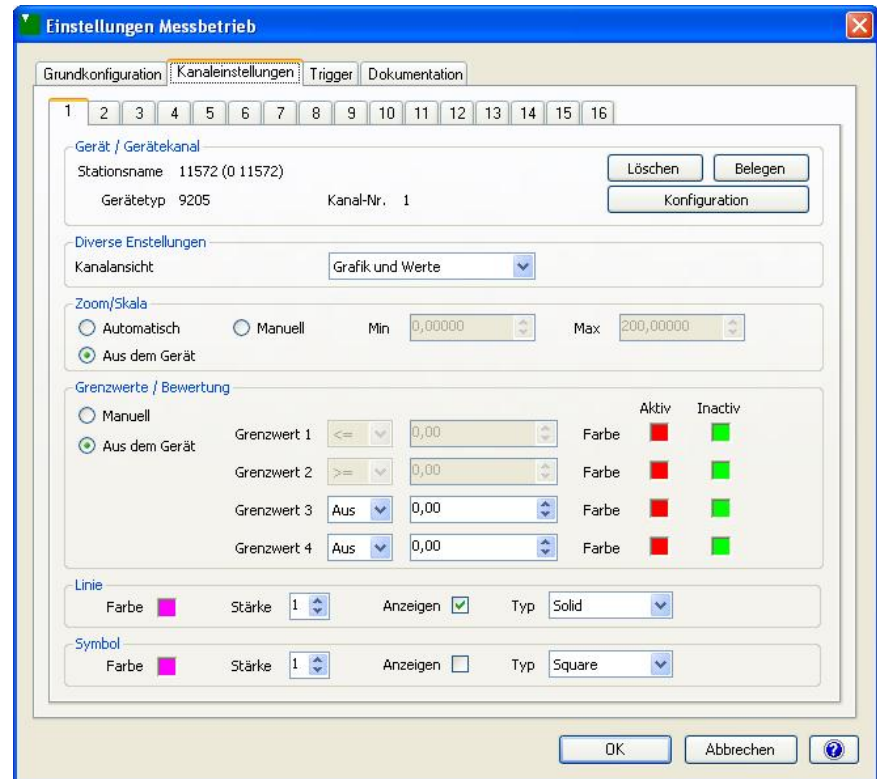
## Easy does it when configuring sensors and devices

- With DigiVision it's easy to set parameters for supported sensors and devices.
- Thanks to the clear layout of the input screens, the user can enter sensor and device parameters simply and intuitively.



# Automatic adoption of sensor and device data (scaling, limits)

- No more need to configure each measurement channel laboriously by hand, as scaling data and limit settings are adopted automatically. Of course you can still edit these values manually if you wish.
- Changes can even be made while a measurement is in progress to optimize the display.



# Continuous or single-value measurements made easy

- In addition to the standard option of continuous measurement, DigiVision also offers a single-value mode, letting you measure individual values for the applications.
- For instance you can make just one measurement to document peak values or instantaneous values for combining later in a graph. This option creates a separate measurement report for archiving for each single-value measurement.

The screenshot shows the 'Einstellungen Messbetrieb' window with the following details:

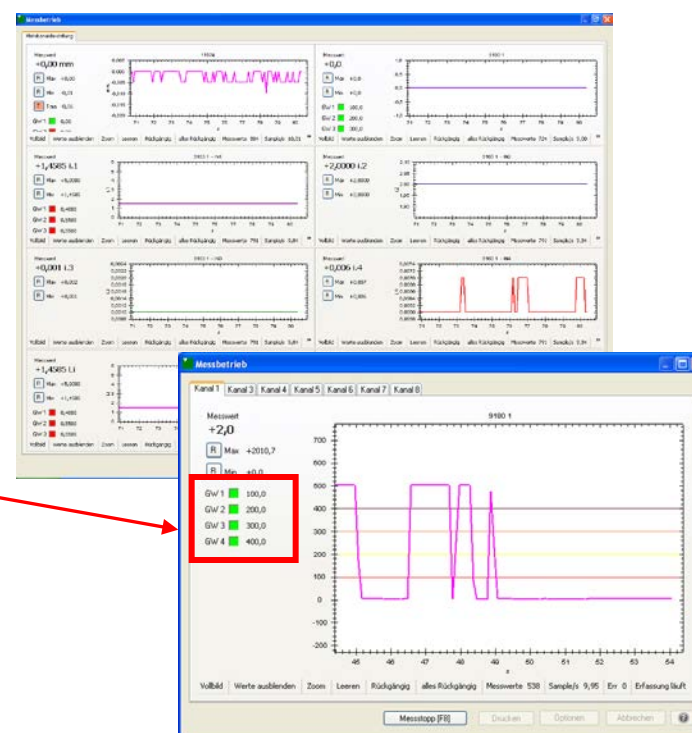
- Messmodi:**  Standard,  Einzelmesswerteprotokollierung (circled in red)
- Darstellung:**  6-Kanal,  8-Kanal,  16-Kanal
- Diverse Einstellungen:**
  - Einheit anzeigen
  - Stationsname anzeigen
  - Graf Aktualisierzeit (s): 0,25
  - Sichtbares Zeitfenster (s): 10
- Messprotokoll:**

Dateiprüfsumme:	OK
Start:	17.07.08 16:34:36
Anwender:	VM
Messung Start:	17.07.08 16:34:37
Messung Stopp:	17.07.08 16:34:37
Betriebsart:	Einzelmessung
Geräte-Typ:	9180
Wert:	+6,862
Grenzwert 1:	>= 1,000
Grenzwert 2:	>= 4,000
Grenzwert 3:	>= 6,000
Grenzwert 4:	>= 9,000
Bauteil:	
Charge:	199
Teile-SN:	AD00015vM
Bemerkung:	
- Linien:** Min-Max, Referenz Cursor, Grenzwert 1, Grenzwert 2
- Linie:** Farbe (green), Stärke 1

The graph at the bottom shows a single data point at approximately 6.862 on the y-axis, with horizontal lines representing the limits.

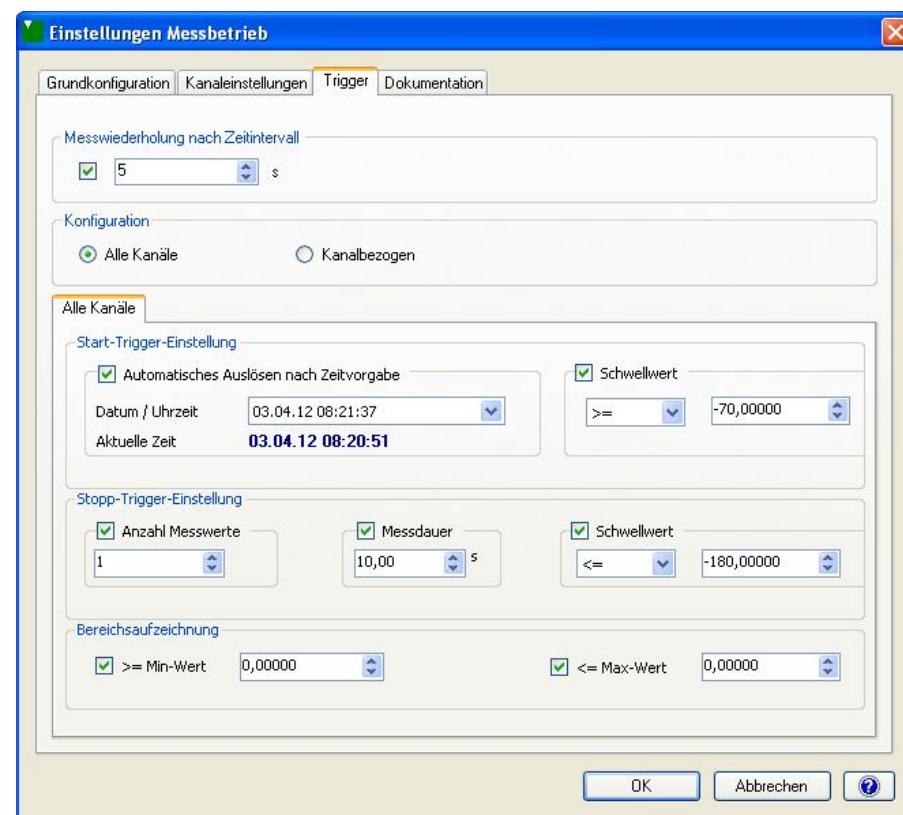
# Simultaneous recording and display of up to 16 measurements

- You can use DigiVision to record up to 16 measurement values at once and to display these values simultaneously in measurement channels. You can choose to display the measurement channels in any order. DigiVision lets you view the measurement curves in the measurement windows.
- DigiVision can display statuses and limits in graphs. DigiVision automatically reads the limit values from the supported devices, which you can always edit manually later.



# A choice of start and stop triggers

- DigiVision supports a range of event-oriented start and stop triggers for automated measurements. These triggers are combined using an OR operator. Activation can be defined for all measurement channels at once or for each channel separately. Every channel can be started or stopped individually, for instance based on a time setting or threshold value.
- A special feature is the repeat trigger. The repeat trigger restarts measurement mode after a preset time interval, letting you automate the measurement.



# Documenting the measurement

- DigiVision also helps with your quality management tasks because you can add your own measurement-related and user-specific information to the measurement reports. This information can be entered by the user or transferred via the controller communications interface.

The screenshot shows the 'Einstellungen Messbetrieb' (Measurement Operation Settings) window. The 'Dokumentation' (Documentation) tab is active. Under the 'Konfiguration' (Configuration) section, the 'Alle Kanäle' (All Channels) radio button is selected. The 'Alle Kanäle' (All Channels) section is expanded, showing the following settings:

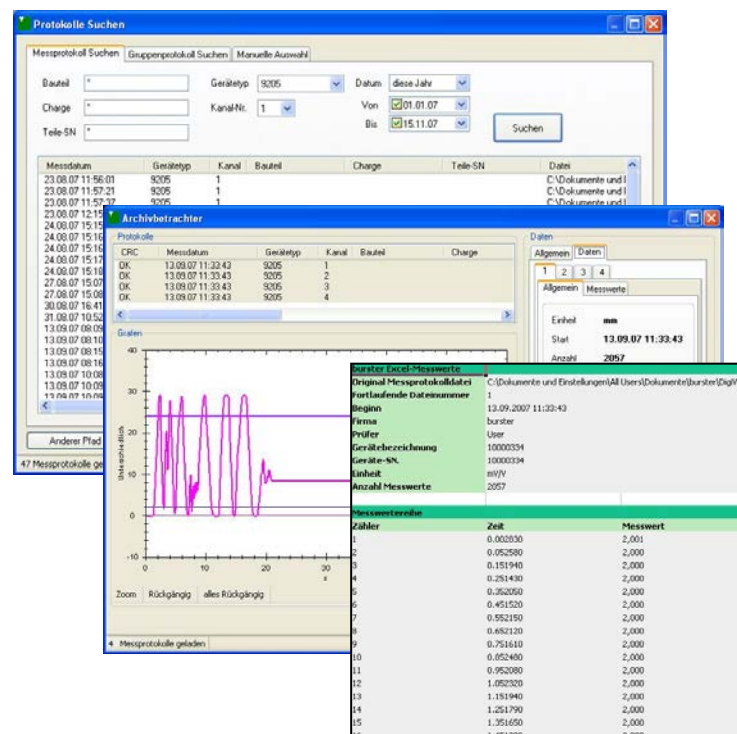
- Aktiviert
- Bauteil** (Part): Mittenwelle A9015
- Bemerkung** (Remark): Einzelmesswerte
- Charge** (Charge): Tageszähler (dropdown menu)
- Manuelle Bezeichnung** (Manual designation):
- Teile-SN** (Part SN):
- Zähler** (Counter): Laufender Zähler pro Charge (dropdown menu)
- letzte Teile-SN** (Last part SN): Mw00018VM
- next Zählernummer** (next counter number): %1 Mw, 00019, %2 VM

Buttons for 'OK', 'Abbrechen' (Cancel), and a help icon are visible at the bottom right.



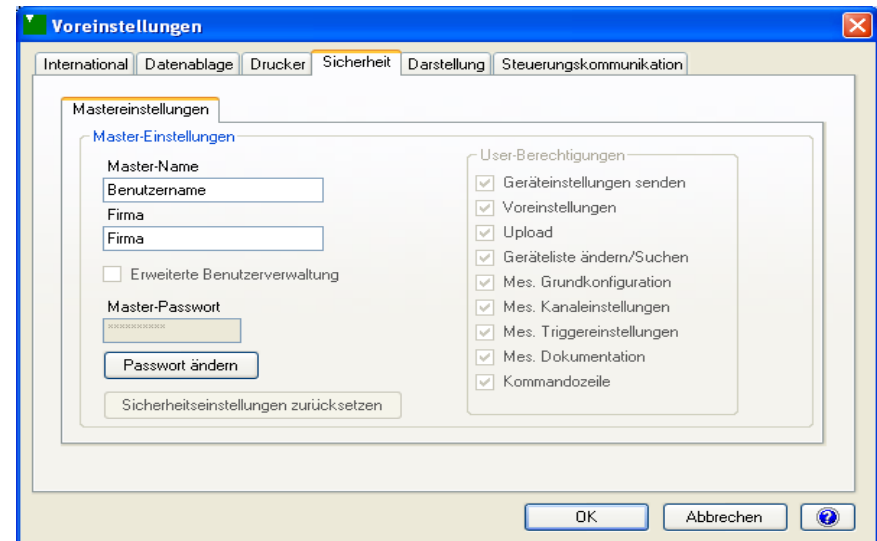
# Archiving measurement reports

- DigiVision includes a report search facility for subsequent editing of measurement reports. You can use the report search tool for convenient post-editing of reports in the archive viewer. The archive viewer lets you verify and archive your measurement data.
- The measurement data can be printed out or exported to a Microsoft Excel file using a plug-in.



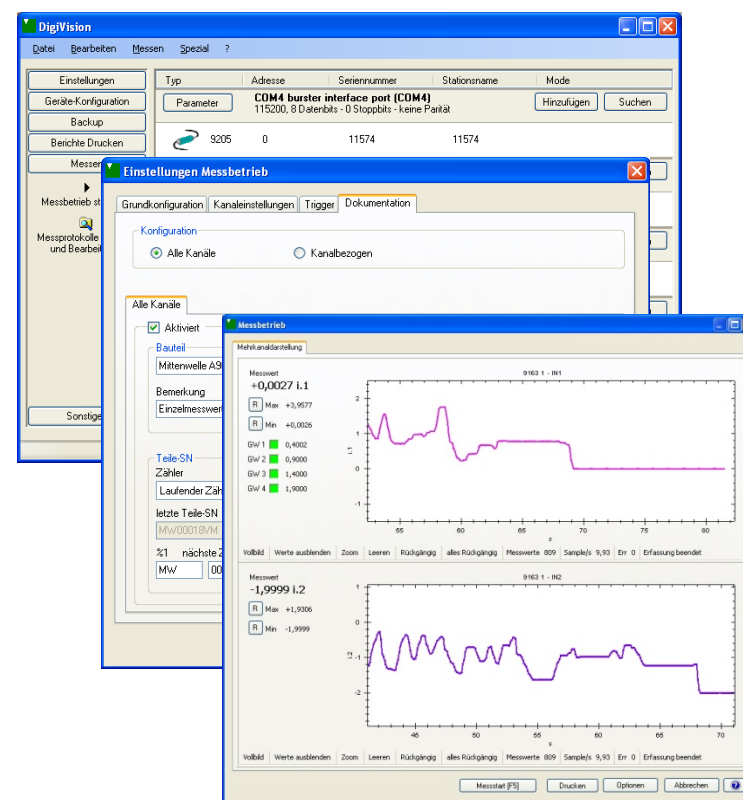
# User management for assigning access permissions within the software

- The integral user-management system lets you set and manage user access permissions to applications on an individual-user basis to prevent misuse. DigiVision classifies access permissions into levels ranging from "all allowed" to "measurement only".



# Software remote control via controller communication (RS232, Ethernet)

- Many processes run automatically so operating the software at the PC is often not possible for staff. For this situation, DigiVision provides an integral controller communications interface. This lets DigiVision implement measurement tasks using a higher-level controller such as a PLC or control computer.
- The interface can be used for downloading new parameters to the devices. It is also useful for transferring and verifying documentation data such as serial numbers or batch number for the individual measurement tasks.
- It is also ideal for device backups and reloading the device list.



# DigiVision for 8661 torque sensors

## PC basic software 8661-P001

- 1 sensor maximum
- Simultaneous display of torque, angular displacement/speed and mechanical performance
- Up to 200 measurements/s
- Included with the 8661 sensor with USB option

## PC multichannel software 8661-P100

- Up to 16 measurement channels at once
- Synchronous operation of multiple sensors possible
- Up to 400 measurements/s
- Simultaneous display of torque, angular displacement/speed and mechanical performance for multiple sensors
- Automatic generation of individual or group reports

## DigiVision 9163-P100 for 9163 indicators

- Suitable for all 9163 devices with RS 232/RS485/USB option
- All main and auxiliary channels can be displayed
- Measurement rate of up to 30 measurements/s

## DigiVision 9180-P100 for 9180 indicators

- Suitable for all 9180 devices with RS 232/RS485/USB option
- Up to 10 measurements/s
- Single-value acquisition → external trigger via device digital inputs (Print function)
- Streaming measurement → external trigger via device digital inputs (Print function). Values are measured until the measurement is stopped. The measured values can be displayed in a graph.

# DigiVision 9181-P100 for 9181 indicators

- Suitable for all 9181 devices with RS 232/RS485/USB option
- Up to 40 measurements/s in standard mode
- Up to 200 measurements/s in streaming mode (external trigger via device digital inputs; high-speed RS port)
- Streaming measurement using external trigger via device digital inputs. (→ Print function). Values are measured until the measurement is stopped. The measured values are displayed in a graph.
- Single-value acquisition using external trigger via device digital inputs (→ Print function).

# DigiVision for 9205 USB sensor interface

## 9205-P001

- 1 measurement channel maximum
- Up to 200 measurements/s
- Included as standard with the 9205-V001 and 9205-V002

## 9205-P100

- Up to 16 measurement channels at once
- Up to 2500 measurements/s (block mode)
- Up to 1000 measurements/s in polling mode
- Included as standard with the 9205-V3xxxx multichannel system



## Your contact person

You contact person for DigiVision is Mr Marco Völlinger.

You can reach Mr Völlinger

by phoning: **0049 7224-645-18**

or by email at: **marco.voellinger@burster.de**

You can find further information about our range of products from our website

**[www.burster.de](http://www.burster.de)**.

You can also download our summary sheet containing the main software features. This can be found on our website under "Panel meters (built-in and desktop)" on the "Sensor electronics" tab.

We look forward to hearing from you.

Yours truly

Your burster team