
BPC[®] Go



The next generation of gas volume and flow meter
for laboratory applications

17-0000-01



For over 20 years, BPC Instruments has developed automated analytical tools for biogas, biodegradability, wastewater, and animal nutrition research.

Trusted by researchers and industry professionals in 90 countries, our instruments streamline testing, reduce manual work, and deliver precise, standardised results.

BPC GO + BPC DAQ + BPC Connect
Product Brochure
Ver. 002-2026-0313



Name: BPC Go Article No: 17-0000-01 Type: Gas volume and flow measurement

Working principle: Liquid displacement & buoyancy Measurement resolution: 2 ml / 9 ml (Interchangeable)

Base unit: 188 × 114 × 41 mm, 366 g Flow cell: 138 × 102 × 45 mm, 134 g

Modular flow cell design,
2 & 9 ml.



Simplify and secure low gas volume and flow measurements

BPC® Go is a next-generation gas volume and flow meter with an in-built computer for simplified, secure, and highly accurate low gas flow measurements. It automatically measures both wet and dry gases at laboratory scale without requiring recalibration. Designed to the highest Scandinavian quality standards, it is easy to set up and allows real-time online monitoring from any location.

BPC® Go normalises gas flow rates and volume measurements at 0°C and 1 atm, with the option to measure wet or dry gases by including or excluding water vapour contributions. Real-time temperature, pressure, and humidity compensation guarantee precise and reliable measurements.

With a wide detection range, it supports flow rates up to 1500 ml/h with a 2 ml flow cell and up to 6000 ml/h with a 9 ml flow cell, ensuring accuracy across various applications.





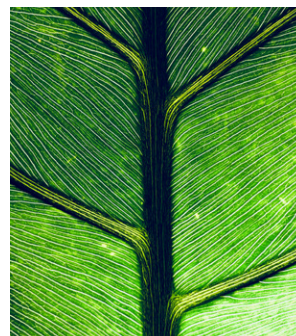
BPC® Go



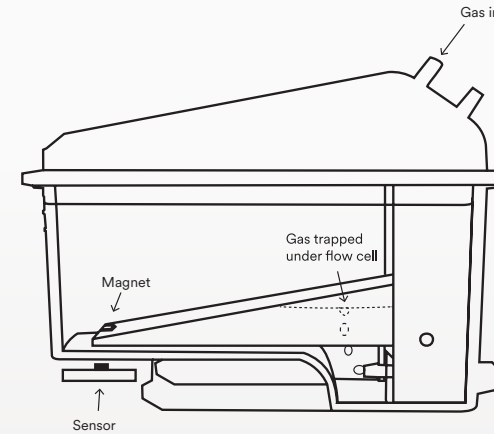
BPC® Go measures low gas volume and flow with high accuracy for both research and industrial work. Typical applications include animal nutrition, wastewater analysis, ethanol fermentation, hydrogen production, greenhouse gas studies, and microbial activity evaluation.

Fully automatic measurements and an intuitive interface reduce manual work and costs. Setup is quick: fill with water, connect power, and start. No specialist support needed, and no manual logging in Excel files or lab notebooks.

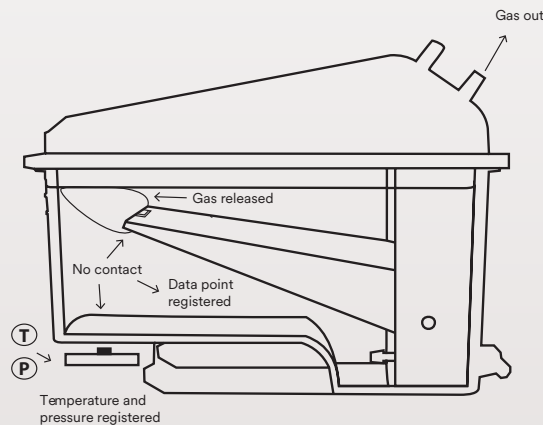
It runs independently with integrated data acquisition and processing, so no computer or external device is required. It connects to your local network or the internet, enabling remote monitoring of normalised results (0 °C, 1 atm) on any device.



Working principle



1 The gas is collected under a flow cell in a chamber filled with deionised water. While the flow cell is in the resting position, a magnet located at the end of the flipper is in contact with a sensor situated directly underneath



2 When the set volume is reached (2 or 9 mL, depending on resolution), the FCU opens and releases the trapped gas. As the flow cell flipper opens, the tip magnet moves away from the integrated sensor and a measurement point is registered. The system counts each opening and records ambient temperature and pressure. These data are used to calculate and normalise flow rate and gas volume to standard conditions (1 atm, 0 °C, wet gas).



BPC® Go

Technical specifications

Article No. 17-0000-01

Measurement performance

Working principle: Liquid displacement and buoyancy

Measurement resolution: 2 and 9 ml

Detection capacity: 2 ml flow cell – 3 x 107 ml, 9 ml flow cell – 13 x 107 ml

Measuring range: 0.2 to 1500 ml/h for 2 ml flow cell and 1 to 6000 ml/h for 9 ml flow cell

Repeatability: CV ≤ 3% for 2 ml flow cell and CV ≤ 1% for 9 ml flow cell

Gases: Non aggressive gases (e.g. CH₄, CO₂, H₂, N₂, ...)

Technical

Built-in sensors: Temperature, Pressure, Hall, Accelerometer

Connections: Ethernet, Power supply, USB B, Motor control

Display: OLED 2.8" 256 x 64 white

Housing: Aluminium and plastic Power supply: 12 V DC / 1.0 A with 100-240 VAC

Usage: Indoor

Measurement medium: Deionised or distilled water Operation temperature: 0 - 50 °C

Operation pressure: -50 – 50 mbar

Dimensions and weight

BPC Go base unit: 188 x 114 x 41 mm; 366 g

Flow cell unit: 138 x 102 x 45 mm; 134 g (w/o water)

Power supply unit: 89 x 48 x 33 mm; 127 g

Gas connector diameter: ID: 2.4-2.6 mm; OD: 4.2-4.7 mm

Recommended tube size: ID: 3.2 mm; OD: 6.4 mm





Add sensors with BPC® DAQ



Connect up to four analogue sensors

Name: BPC® DAQ Article No: 303-0001-00 Type: Process monitoring

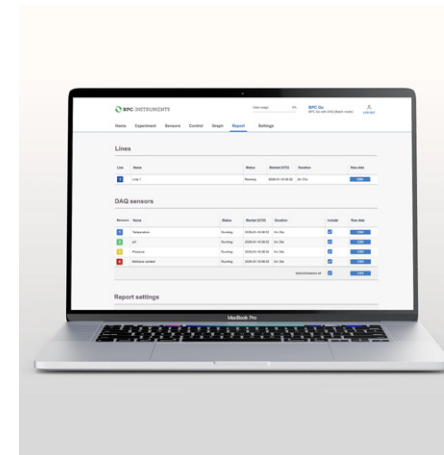
Working principle: Passive data acquisition (requires BPC Go) Sampling frequency: From 1 min and upwards

Power supply: USB-A from BPC Go (5 V DC) Dimensions and weight: Ø 74 × 32 mm, 90 g



Process monitoring for BPC® Go systems

BPC® DAQ is a compact data acquisition unit designed for the BPC® Go system, enabling real-time monitoring of analogue sensor data alongside gas production measurements. It connects directly to BPC® Go and supports up to four analogue sensors, such as temperature, pH or ORP, with automatic passive and active signal detection for straightforward plug-and-play integration. All sensor signals are collated, stored and visualised within the BPC® Go software, providing a unified dataset for both gas flow and process parameters.



Encased in a small cylindrical housing, BPC® DAQ is functionally designed for easy access to sensor ports and practical use in laboratory environments. An integrated anti-slip pad ensures stable placement on work surfaces, while the fixed USB cable enables reliable connection to BPC® Go for both power supply and data transfer.



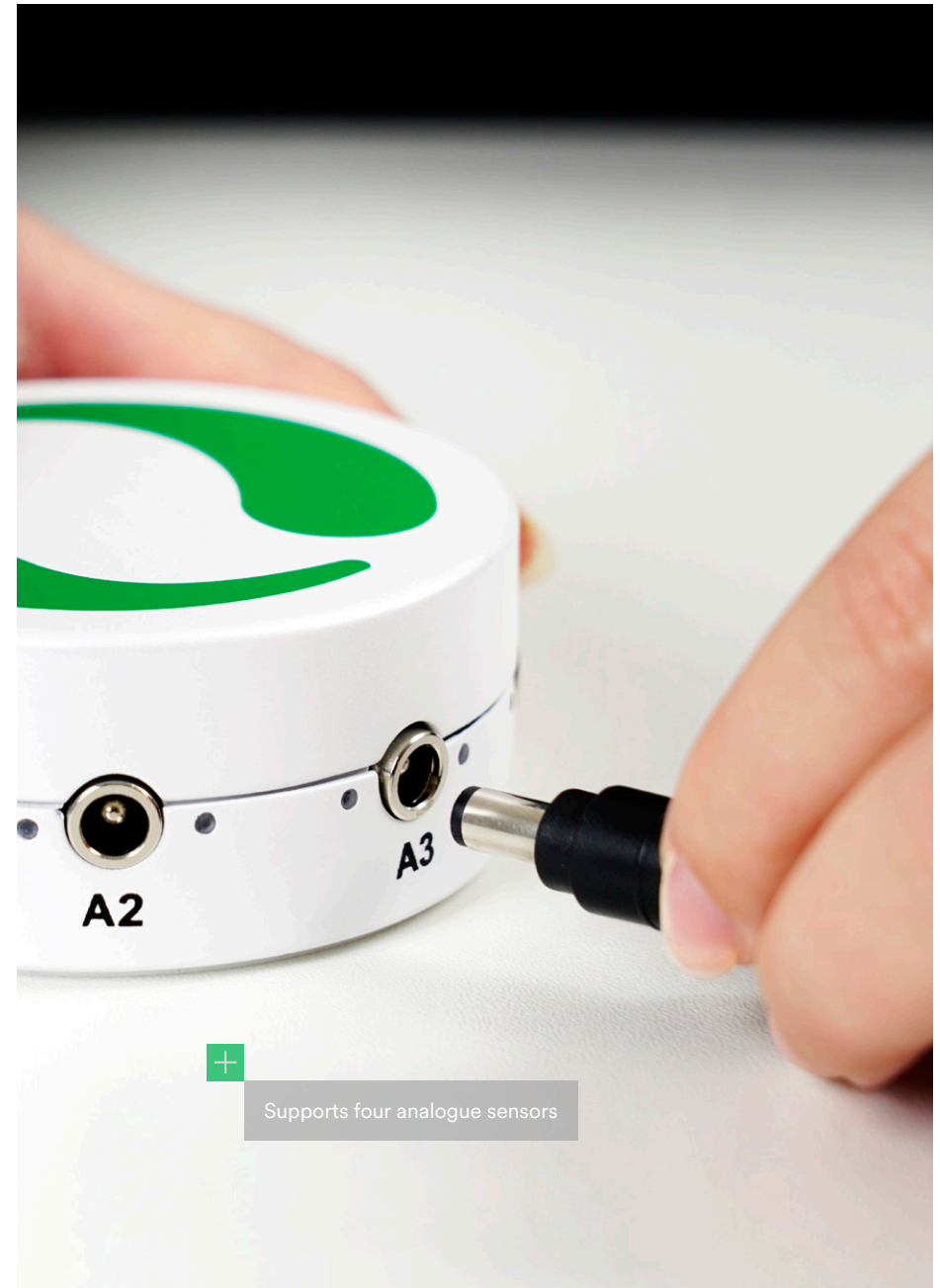
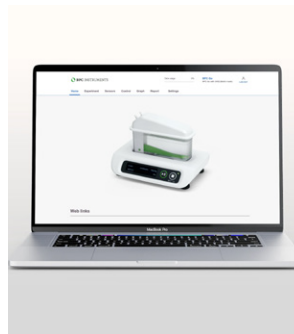
BPC® DAQ



BPC® DAQ connects directly to BPC® Go and becomes part of the same system for power supply, communication, and data handling. This keeps the setup compact and streamlined, with no need for external power sources or additional devices.

Supports up to four analogue sensors (4–20 mA) via DC jacks. Automatic passive/active detection makes it easier to connect different sensor types without manual configuration, helping users build robust monitoring setups with minimal effort.

Sensor units and sampling frequency are defined in the BPC® Go software to match your experimental needs. Sampling intervals can be set from 1 minute and upwards, allowing structured logging that stays synchronised with gas volume and flow data.



Supports four analogue sensors



Pair it with BPC[®] Connect



One hub for up to six BPC Go units

Name: BPC[®] Connect Article No: 302-0001-00 Type: Process monitoring

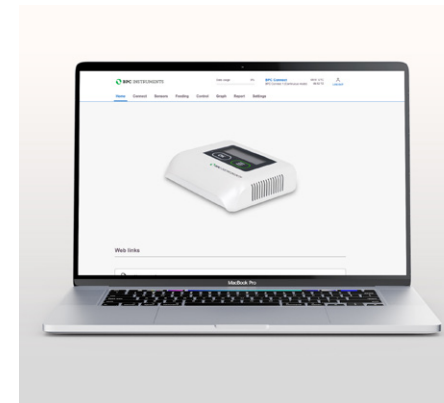
Working principle: Centralised coordination for multiple BPC[®] Go units Connectivity: Ethernet, USB A

Power supply: 12 V DC, 1.0 A (AC adapter 100 to 240 VAC) Dimensions and weight: 150 × 110 × 35 mm, 245 g



Turn multiple BPC[®] Go units into a connected system

BPC[®] Connect is a compact coordination hub designed for the BPC[®] Go system, allowing up to six BPC Go units to operate as one connected setup. It links the instruments over a local network and brings control, monitoring, and data handling into a single workflow in Aurora, with results stored centrally for easy access and export. This makes it easier to run larger experiments, keep datasets organised, and collaborate when several people share the same setup.



Built for straightforward daily use, BPC[®] Connect keeps setup simple. Pair the unit to your network, add your BPC[®] Go units, and manage the full system through Aurora's web interface. If you use BPC Connect together with BPC[®] DAQ, you can log data from up to six gas flow measurement units and up to 24 additional analogue sensors in the same system.



BPC® Connect

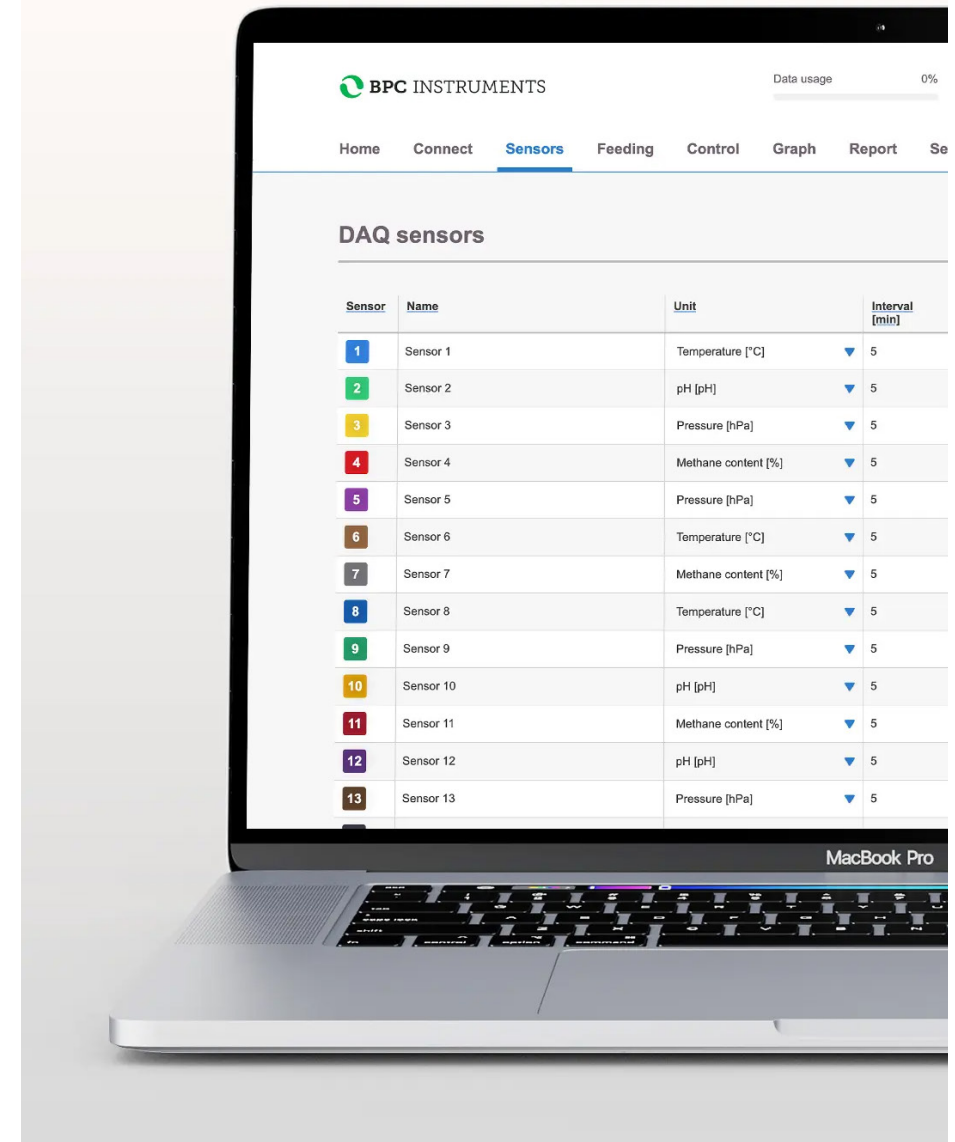


BPC® Connect links BPC® Go units via your local network and acts as a central hub for coordination and data handling. Connect up to six units, then manage them as one setup in Aurora. Data from every unit is collected and stored together in one interface.

Aurora's web interface gives you one place to start and stop recordings, check status, and follow live results across all connected units. Central storage keeps files organised and makes exports simple. Teams can review the same dataset without passing USB sticks around daily.

Scaling is straightforward. Add another BPC® Go unit, pair it in Aurora, and keep the same workflow. Use BPC® Connect with BPC® DAQ when you want extra process parameters. The system can log up to six gas flow units plus 24 analogue sensors together in Aurora.

Start, monitor, export from one place



BPC INSTRUMENTS

Data usage 0%

Home Connect **Sensors** Feeding Control Graph Report Se

DAQ sensors

Sensor	Name	Unit	Interval [min]
1	Sensor 1	Temperature [°C]	5
2	Sensor 2	pH [pH]	5
3	Sensor 3	Pressure [hPa]	5
4	Sensor 4	Methane content [%]	5
5	Sensor 5	Pressure [hPa]	5
6	Sensor 6	Temperature [°C]	5
7	Sensor 7	Methane content [%]	5
8	Sensor 8	Temperature [°C]	5
9	Sensor 9	Pressure [hPa]	5
10	Sensor 10	pH [pH]	5
11	Sensor 11	Methane content [%]	5
12	Sensor 12	pH [pH]	5
13	Sensor 13	Pressure [hPa]	5

MacBook Pro



BPC® Connect

Technical specifications

Article No. **302-0001-00**

Function: Centralised coordination unit for multiple BPC Go instruments

Communication method: Local network (Ethernet)

Display: 2.8 inch OLED, 256 x 64 pixels, white

Navigation controls: 2 membrane buttons

Power supply: 12 V DC, 1.0 A (AC adapter 100 to 240 VAC)

Connectivity: Ethernet, USB A

Dimensions: 150 mm (W) x 110 mm (D) x 35 mm (H)

Weight: 245 g

Operating temperature: minus 20 to 60 °C

Operating humidity: 10 to 90 percent RH, non condensing

Recommended environment: Indoor use

Our team

Technical excellence at BPC Instruments is matched by the support we provide. Rather than generalist helpdesks, we offer direct access to specialists with a deep understanding of our instruments. Whether you need a quick answer or more in-depth technical assistance, our aim is to ensure your work continues without interruption.

With a global presence, we deliver high-quality products and support for sales, maintenance, and applications. For assistance, visit our website or contact us directly.



Product enquiries
sales@bpcinstruments.com

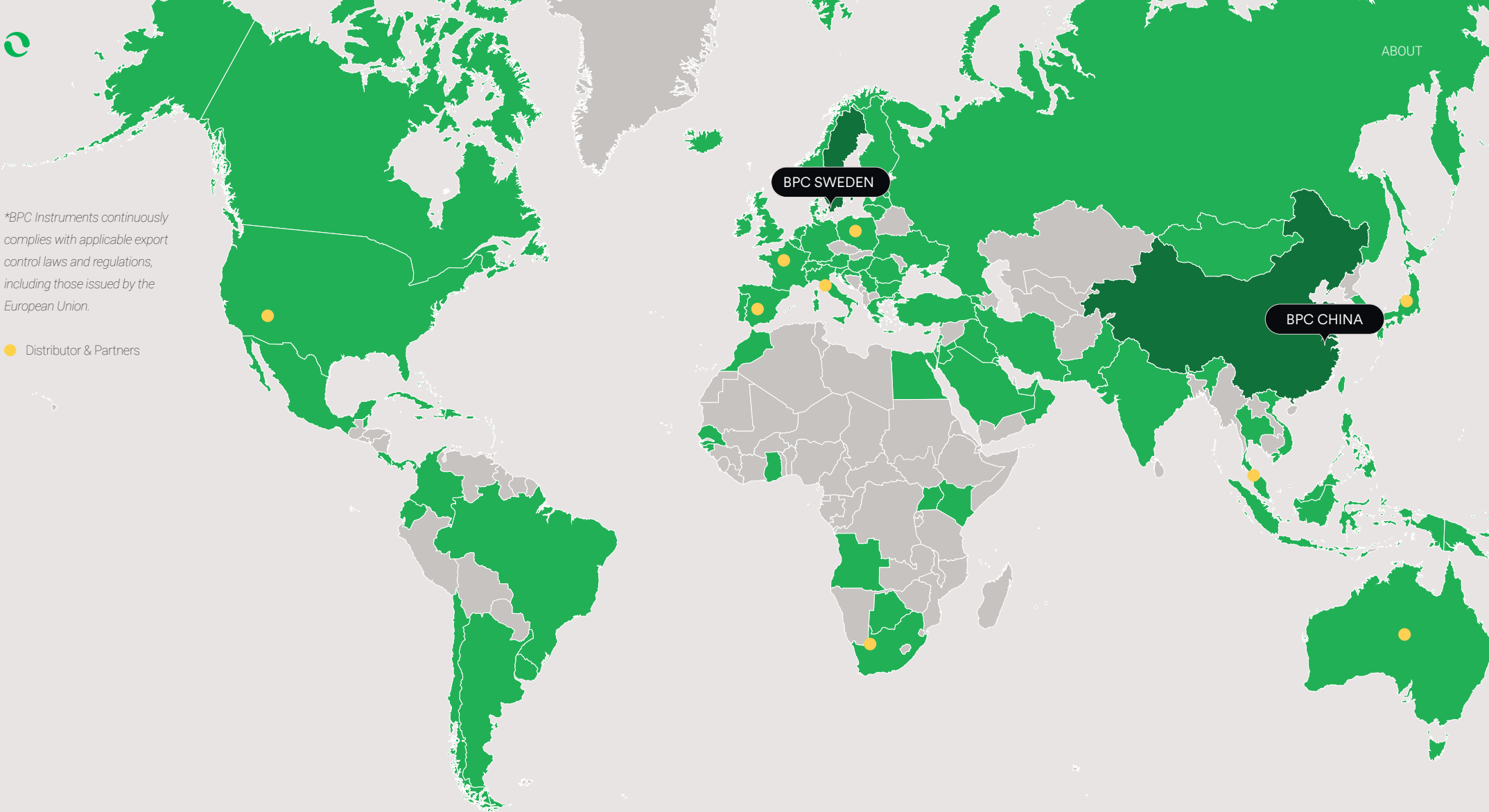
General and technical support
support@bpcinstruments.com





**BPC Instruments continuously complies with applicable export control laws and regulations, including those issued by the European Union.*

● Distributor & Partners



Global reach, Scandinavian roots

Designed and manufactured in Sweden, our instruments reflect the precision and functionality of Scandinavian design. With a presence in 90 countries, BPC Instruments supports leading research and industrial processes within biogas, biodegradability and animal nutrition. Through our network of partners in 16 countries we provide local expertise in a global context.

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Smart instruments for smart people

BPC Instruments is a Swedish technology company providing analytical instruments for efficient, reliable, and high-quality research in renewable bioenergy and environmental biotechnology. Our solutions enhance accuracy while reducing time and labour, combining advanced hardware and software with deep industry expertise. Exporting to 90 countries, we empower researchers and professionals with smart instruments.