


Gas Sample Probes Series ASP/APP

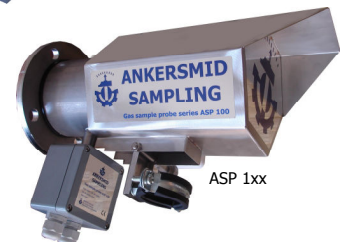
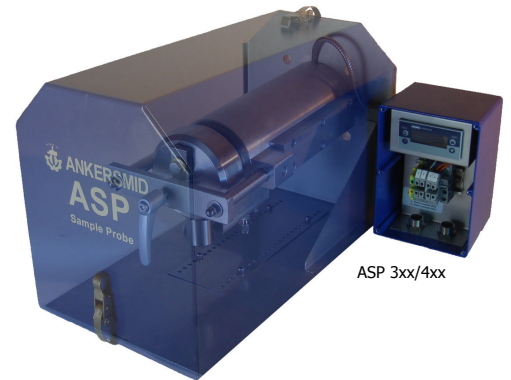
The gas sample probes series **ASP** are designed for continuous gas sampling in difficult processes with gases of high or low dust content, different temperatures and extreme humidity.

For portable applications the gas sample probes series **APP** are available.

ASP/APP features:

- Retractable inner probe body for easy changement of pre-filter and/or sample tube without dismounting the probe
- Optional various back-flush and valve possibilities
- Very universal applicability
- Compact and modular design suited for most applications
- No optional support for heated sample line needed (bottom plate prepared with pre-lasered cut-outs for heated lines type AHL with gland connection)
- Reduce operator exposure to safety risks
- Easy mounting & maintenance
- Digital controller with LCD display and optional RS485-interface
- Patented construction
- Heated up to 180°C or 320°C (e.g. for Denox applications)
- Wide range of unheated sample tubes in various lengths for process temperatures up to 1800°C
- Heated sample tubes (180°C/320°C) in various lengths

 Fully certified sample probes acc. to ATEX for hazardous areas




Heated Sample Lines Series AHL

The electrically heated sample lines are designed to be connected to all Ankersmid sample elements. The heated line ensures gas components in the sample stream remain above their ACID-dew point, and thereby eliminates the risk of condensation.

AHL features:

- Self-limiting sample lines (max. +120°C)
- Controller regulated sample lines (+100/+200/+250°C)
- Various temperature controller (rail-mount/wall-mount)

 Fully certified sample lines acc. to ATEX for hazardous areas




Compressor Gas Coolers Series ACC

The ACC coolers are offering precision, safety and long-term stability for extractive analytics. The unique cooling and separating technology of the newly designed coolers attains an extremely stable and low gas dew point of $+4^{\circ}\text{C}$ ($\pm 0,1^{\circ}\text{C}$) to avoid water vapour cross-sensitivity and volumetric errors and compensates for operating data fluctuations as well as high thermal loads.

ACC features:

- Universal cooler housing for wall-mounting and 19"-rack version by multifunctional assembly brackets
- Digital controller with LCD display and optional RS485-interface
- Alarm contacts
- Up to 4 heat exchangers in Duran® glass/PTFE, PVDF or SS316
- Flow rate of 200NI/h per heat exchanger
- Special demountable heat-exchanger with unique design for minimized washing-out effect
- Humidified heat-exchanger for calibration cross-interference compensation
- Optional flow meter and front panel filter for each gas path
- Peristaltic pump for each heat exchanger incorporated as Standard

 Fully certified gas coolers acc. to ATEX for hazardous areas



ACC 401



ACC 1xx

Peltier Gas Coolers Series APC

This unique microprocessor controlled Peltier Cooler has been designed with a powerful dew point stabilizer for an extremely stable and low gas dew point of $+4^{\circ}\text{C}$ ($\pm 0,1^{\circ}\text{C}$) to avoid water vapour cross-sensitivity and volumetric errors.

APC features:

- Digital controller with LCD display and optional RS485-interface
- Extreme compact design
- Digital controller with LCD display and optional RS485-interface
- Alarm contacts
- Heat exchangers PFA®-coated
- 3 different versions: 1x 200NI/h, 2x 200NI/h or 1x 350NI/h
- Special demountable heat-exchanger with unique design for minimized washing-out effect



APC 14xx/15xx



Universal Filter Series AUF

Ankersmid Universal Filters are known as a reliable technique for the separation of particles from gas, ensuring a flow of clean gas to the analyzer. Filter housings in a variety of materials and standard dimensions are available.

AUF features:

- Universal in use
- Modular construction
- High variety of materials; f. e. PVDF, PTFE, SS316
- Deep-acting filter elements with various porosities
- Reliable separation of solids
- For wall-mounting
- Optional liquid sensor or liquid drain to be installed at the bottom of the filter body
- modular design for various filter and separator; f. e. adsorption filter, ambient air suction filter, humidifier, wash bottles, aerosol/liquid particle filter and front panel filter



Gas Conditioning Systems Series APS/ASS/ADS

The Ankersmid gas conditioning systems have been designed so that detailed gas analyses can be carried out at any time and in any place.

APS/ASS/ADS features:

- Low maintenance and self-monitoring
- Integrated Peltier cooler with outlet dew point $+4^{\circ}\text{C}$ ($\pm 0,1^{\circ}\text{C}$)
- Ready for use < 15 min
- Integrated gas diaphragm pump and condensate peristaltic pump
- Universally equipped for the widest range of applications
- Excellent chemical resistance
- Optional with integrated O₂-sensor (paramagnetic principle)

Portable system type APS:

- Compact design with only 12 kg
- Visible yellow case for use in process environment
- Values readable from outside
- 19"-rack version type ADS with touch-screen PLC



APS 3x3



ADS 3x3



Complete Gas Analysis Equipment from One Source

We can make sure you monitor performance and emissions with precision, and without any compromise. In addition to our self-designed, developed, and manufactured products like sample probes, compressor and Peltier gas cooler, universal filter, gas conditioning systems, NO_x-converters, liquid stops and alarm sensors we also provide the full range of gas analysis equipment, e.g. heated sample lines, peristaltic pumps, diaphragm vacuum pumps, flow meter, valves, connectors, manifolds, gas panels, pressure regulators and tube/pipe fittings made of several materials like PVDF, PP, PA and stainless steel.

Some of these products are designed in a close cooperation with well-known and market leading manufacturers to meet our high demands and are only available exclusively at Ankersmid Sampling.



Most products are available in explosion-proofed version for use in hazardous areas according to ATEX.

ANKERSMID® is well-known on the market for more than 30 years now and subsidiaries in several countries (Netherlands, France, China, Romania, Germany, Korea etc.) with more than 100 employees world-wide assures ANKERSMID® in a leading position in the field of gas sampling and laboratory equipment.

As our goal is to always provide competitive and innovative products.

ANKERSMID® Sampling provides the complete range of gas sampling and gas conditioning equipment. All products like gas sample probes, gas coolers, compact conditioning systems, universal filters, NO_x-converters etc. are designed, manufactured and world-wide distributed by ANKERSMID® Sampling.

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