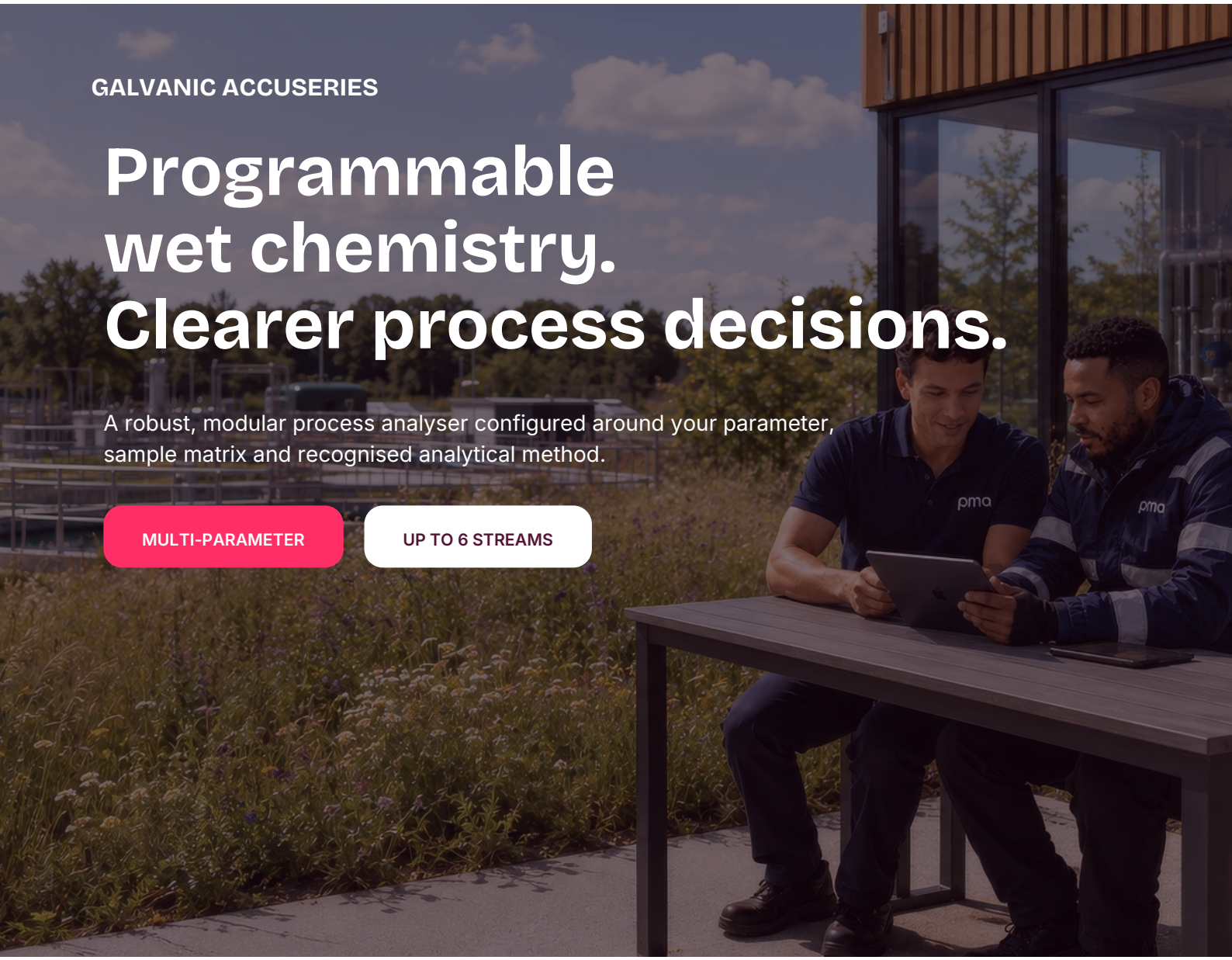


GALVANIC ACCUSERIES

Programmable wet chemistry. Clearer process decisions.

A robust, modular process analyser configured around your parameter, sample matrix and recognised analytical method.

MULTI-PARAMETER

UP TO 6 STREAMS

ONLINE ANALYSIS FOR INDUSTRIAL AND MUNICIPAL APPLICATIONS

Built around the chemistry your process needs.

AccuSeries automates sampling, reagent addition, measurement, calibration, validation and cleaning. Its programmable design supports colorimetric, titration and ion-selective electrode methods in one compact platform.

01 **Narrow footprint**

16-inch cabinet width simplifies installation.

02 **Representative samples**

Internal fast-loop refreshes sample before analysis.

03 **Flexible construction**

Custom-selected wetted parts suit difficult samples.

04 **Process connectivity**

4-20 mA, Modbus, Ethernet and configurable I/O.

A ROBOTIC CHEMIST FOR YOUR PROCESS

One analyser. Three analytical approaches.

AccuSeries is custom-configured to match the analytical objective, concentration range and sample conditions.



01

Colorimetry

Dual-wavelength measurement compensates for turbidity after a colour-forming reagent is added.

02

Titration

Volumetric measurement supports potentiometric and colour titrations, including acid-base and redox methods.

03

Ion-selective electrodes

Direct or standard-known-addition methods support high and low concentration ion measurements.

DESIGNED FOR PRACTICAL INDUSTRIAL OPERATION

Automatic routines. Accessible hardware. Useful diagnostics.

Automatic calibration

Up to three configured calibration points.

Automatic validation

Scheduled checks of analyser response.

Automatic cleaning

Method-specific cleaning routines.

Multi-stream

Sequential measurement from up to six sample streams.

Wide-bore fluidics

Quarter-inch tubing helps manage upset conditions.

Hazardous-area options

Div. 2 and Zone 2 configurations without a purge.

A practical system, supported in the UK.

PMA supports application review, configuration, installation, training, maintenance and ongoing reagent supply.



TECHNICAL OVERVIEW

Core AccuSeries specifications

Final specification depends on method and configuration.

ENCLOSURE
IP66 / NEMA 4X, painted 304 stainless steel

DIMENSIONS
40 x 16 x 9.5 in; approximately 100 lb

AMBIENT
-20 to 60 C; up to 95% RH

ANALYSIS
Continuous batch; typically 3 to 15 minutes

SAMPLES
Single or multi-stream, up to 6

SAMPLE DUTY
0 to 70 C; 200 ml/min at approximately 5 psi; 500 ppm TSS limit

PERFORMANCE
Accuracy, repeatability and linearity: +/-2% full scale

POWER
24 VDC; 90 to 240 VAC available; 350 W

INTERFACE
4.5-inch colour LCD with three access levels

COMMUNICATIONS
4-20 mA, Modbus serial/TCP-IP, relays and digital inputs

AUTOMATION
Calibration, validation and customised cleaning

METHODS
Colorimetry, titration and ion-selective electrode

FLUIDICS
Segmented, plug-and-play modules with quarter-inch tubing

CERTIFICATIONS
Zone 2, ATEX / IECEx and CE options according to configuration

CONFIGURED AROUND THE PROCESS

Where AccuSeries can make a difference.

The correct configuration depends on the analyte, concentration range, sample matrix, required method and process objective.



SELECTED APPLICATIONS

From municipal treatment to demanding process streams

01 Water & wastewater

Municipal treatment, wastewater control and industrial effluent.

02 Chemical processes

Chemical, chlor-alkali, plating and manufacturing duties.

03 Refining

Refinery wastewater, sour-water and gas-scrubbing applications.

04 Power & utilities

Boiler water, cooling water and treatment optimisation.

05 Semiconductor

CMP wastewater and selected high-purity process measurements.

06 Food & production

Food, beverage, pulp, paper and pharmaceutical processes.

SELECTED PARAMETERS

Nutrients

Ammonia, ammonium, nitrate, nitrite, phosphate and phosphorus

Metals

Aluminium, chromium, copper, iron, manganese, nickel and zinc

Water & process

Chloride, chlorine, hardness, hydrazine, phenol, silica and sulphate

Discuss your AccuSeries application

Tell us your analyte, range, sample matrix and process objective.

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