

CA  
SERIES

# Hardware/Software Control & Acquisition Systems

## armBUS

A revolutionary integrated hardware/software ecosystem, enabling the connection of teaching and research equipment to the modern world

The armBUS standardised interface makes operating Armfield products easy for teaching and research, producing reliable data or product across multiple area's of industry.

armBUS a radical system for integrating electronic measurement sensors and control devices onto teaching and research equipment. armBUS is a universal, single-wire interface which enables all peripheral sensors and control mechanisms to be connected to a digital bus with common ports. Connectivity is completely port independent, eliminating errors in the configuration of the system as well as enabling seamless integration of new sensors at any point in time.

armBUS can be interfaced to a variety of devices via a USB port, network port or wireless connection enabling the equipment to be operated with a PC, PC with touchscreen, optional LCD touchscreen or a mobile device such as a tablet.

Advantages of the armBUS system include improved reliability, improved interchangeability and improved accuracy. All sensors are pre-calibrated, eliminating the need for further calibration after installation or if a sensor is replaced.



Standard controls for all basic functions such as start-up & shut down

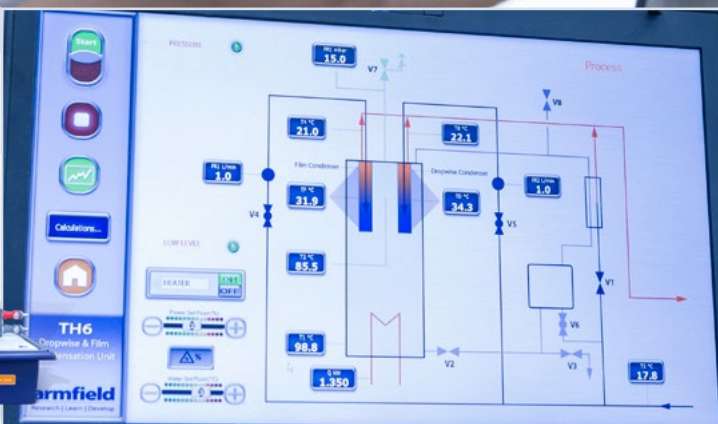
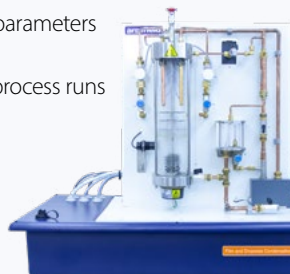
Data logging as standard, results can be analysed in armBUS or exported to Excel



### Hardware Acquisition and Control - armBUS TH6

TH6 Film and Dropwise Condensation Demonstration Unit

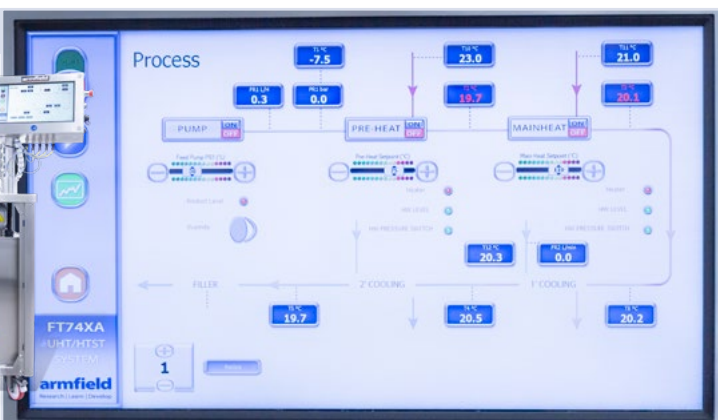
- ▶ Total control and monitoring of process parameters
- ▶ Can view trends in current parameters
- ▶ Comparison of current data to previous process runs possible in real time
- ▶ Quick save feature for data recovery



### Hardware Acquisition and Control - armBUS FT74XA

FT74XA Miniature-scale HTST/UHT processing system

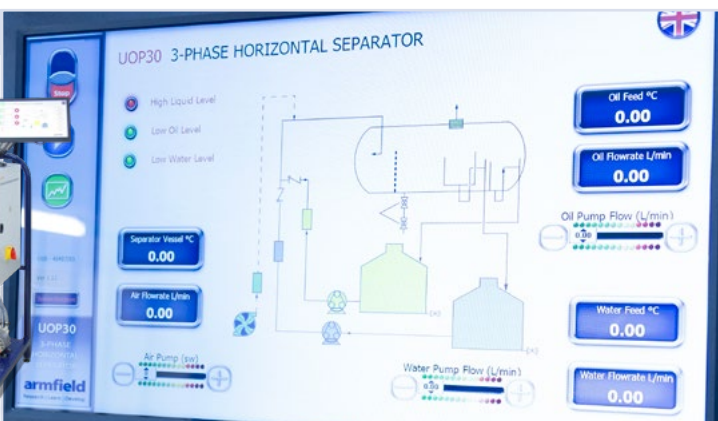
- ▶ Total control and monitoring of process parameters
- ▶ Can view trends in current parameters
- ▶ Comparison of current data to previous process runs possible in real time
- ▶ Quick save feature for data recovery



### Hardware Acquisition and Control - armBUS UOP30

UOP30 3-Phase Horizontal Separator

- ▶ 3-Phase horizontal separator
- ▶ Visual demonstration of the entire separation process
- ▶ Software Control, PID and data logging via PC



## Knowledge base

- > 28 years expertise in research & development technology
- > 50 years providing engaging engineering teaching equipment

Benefit from our experience, just call or email to discuss your laboratory needs, latest project or application.

An ISO 9001:2015 Company



Products CE certified

**armfield.co.uk**

## Aftercare

Installation  
Commissioning  
Training  
Service and maintenance  
Support: [armfieldassist.com](http://armfieldassist.com)