



## DataVU Recorders

Introducing DataVU, our family of recorders. The range includes DataVU 6, an affordable and user friendly entry level paperless recorder and DataVU 7, an advanced recorder offering a high level of functionality to its users. The recorders are ideal for use in industrial and scientific processes such as food and beverage, life science and heat treatment.



## DataVU 6

The DataVU 6 paperless recorder features a resistive touchscreen and an intuitive, icon-based operation and visualisation concept that makes it very easy to use. There are different versions of the DataVU 6 available for process data recording. These range from the device version without measuring input in which up to 24 process values are read (master) or received (slave) from external systems via Modbus, through to a device version with six measuring inputs (universal analogue inputs), two analogue outputs, 12 digital inputs, and 12 individually switchable digital inputs/outputs. In the version with FDA-compliant data recording all the requirements are met in accordance with 21 CFR Part 11.



## DataVU 6 provides a first class 5.7" TFT colour display for viewing data

DataVU 6 has a TFT display for high image quality, this provides excellent levels of contrast for improved visibility and the 640 x 480 pixel screen provides sharp definition for images and information to be clearly viewed.

The screen supports wide viewing angles with minimal colour distortions and loss of contrast making it ideal for use in all industrial environments.





## DataVU 7 is a robust and durable recorder that is ideally suited to challenging and harsh environments

The recorder can withstand demanding environmental conditions and meets standards for IP65 ingress protection. It can also endure abrasive substances in its surroundings as it is easy to clean, even with aggressive media.

The practical control knob has been designed so that a user can set up and configure the recorder on the spot even while wearing protective gloves.

DataVU 7 delivers enhanced security to its users through its options for password protection. It ensures that the instrument can only be configured by authorised operating personnel. To further safeguard data, it is stored in an encrypted form and validated by electronic signatures, making it compliant with 21CFR PT11.

DataVU 7 provides upper and lower level alarms for analogue inputs. Limits are set and an alarm is activated if the value falls outside of the set range.

The recorder provides complete peace of mind as it can automatically adjust the recording speed to provide a comprehensive, clear process picture for analysis if an alarm is triggered.



### Inputs

18 analogue inputs max.  
24 binary inputs/outputs max.  
(A maximum of 3 module slots can be fitted with 6 analogue inputs or 3 analogue inputs and 8 binary inputs/outputs)

### Power Supply

AC 100...240V +10/-15%,  
48...63Hz  
AC/DC 20...30V, 48...63Hz

### External Inputs

Up to 24 analogue inputs  
Up to 24 binary inputs

### Interface

1 x Ethernet 10/100 Mbits/sec  
4 x USB interfaces  
1 x RS232/RS485  
1 x RS232 (barcode reader)  
1 x PROFIBUS-DP (option)

### Relay Outputs

1 relay (standard)  
6 relays (option)

### External Memory

CompactFlash card to 4GB  
USB memory stick

### Internal Channels

18 x math channels  
18 x logic channels  
27 x counters / integrators

### Measurement Data Memory

256 Mbytes



### Operation

Rotary knob or touchpad

### Display

5.5" TFT colour display  
320 x 240 pixels  
256 colours

### Software

Set up program  
PC Evaluation software (PCA3000)  
PCC Communications software



# Comparison

## DataVU Features

		DataVU 6	DataVU 7
HMI	Screen	5.7" TFT	5.5" TFT
	Rotary knob	X	✓
	Touchscreen	✓	X
Inputs and Outputs	Number of internal channels (max.)	6	18
	Number of external channels (max.)	24	24
	Digital inputs (max.)	18	24
	Relay outputs (max.)	1	7
	Analogue outputs (max.)	2	X
	Compact Flash	X	4GB
Data	Internal Memory	1GB	256MB
	Scan rate per second (input)	125mS	125mS
Comms	RS232/485 Modbus	Option	✓
	Ethernet	✓	✓
	RS232 barcode reader	✓	✓
	USB	✓	✓
	Profibus DP	X	Option
	Counters / Integrators (number of channels)	6	27
Other Functionality	Maths (number of channels)	6	18
	Batch (number of reports)	1	3
	Web server	Option	✓
	Set up	✓	✓
Software	Evaluation	✓	✓
	Communication	✓	✓

## Language Capability

Both DataVU 6 and the DataVU 7 come complete with a languages library enabling the user to set the recorder operation to be read in their preferred language. Current available languages include



Chinese



Czech



English



French



German



Greek



Hungarian



Italian



Japanese



Polish

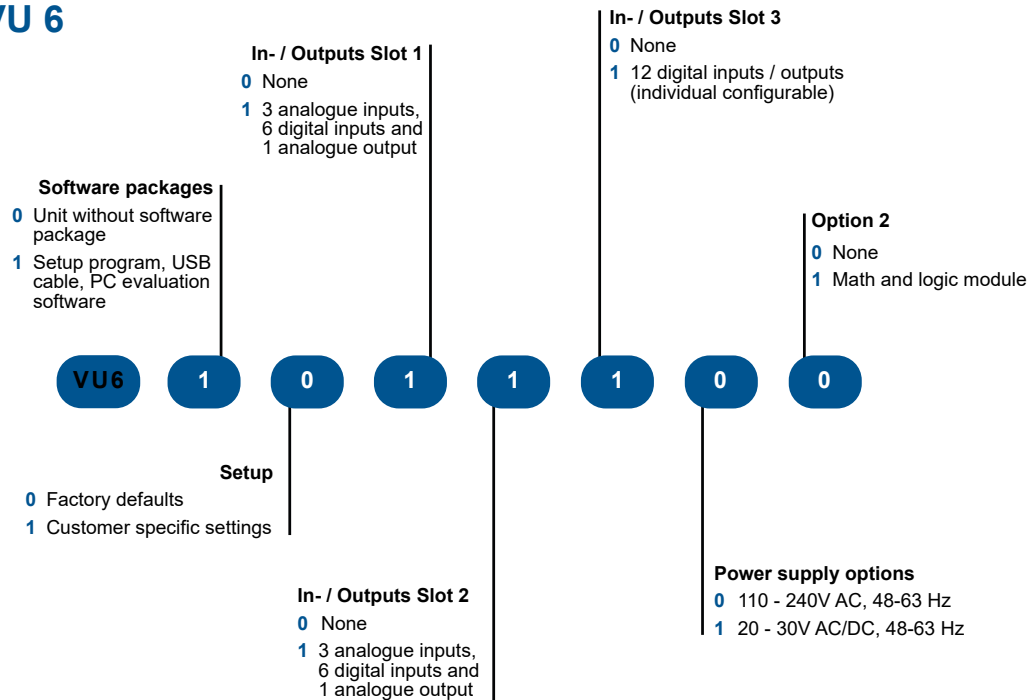


Romanian

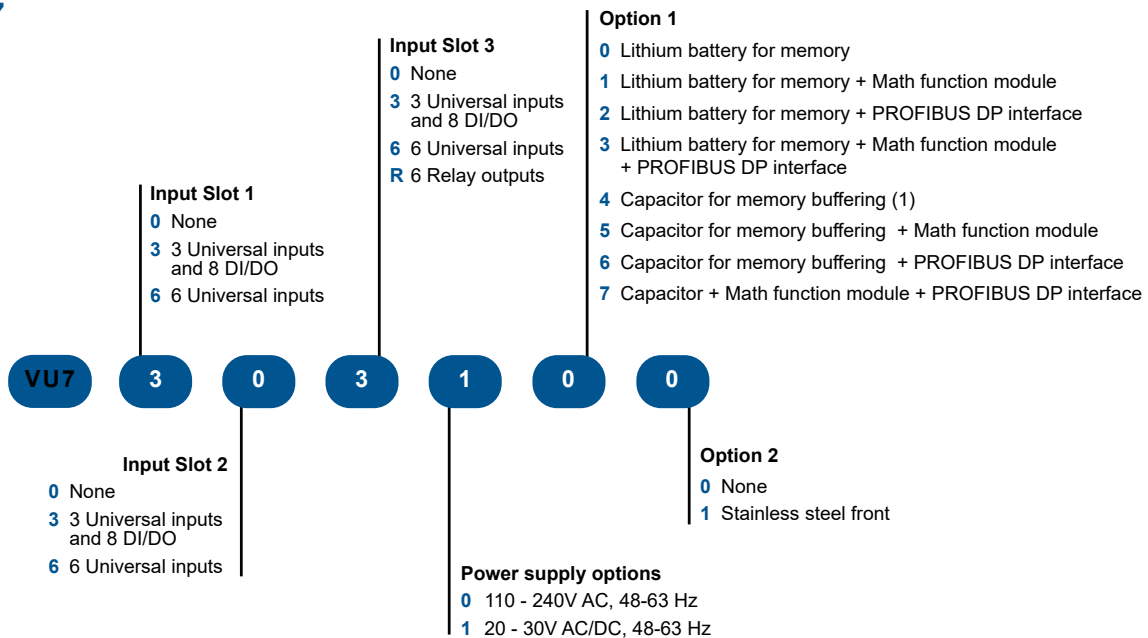


Russian

## DataVU 6



## DataVU 7



## Contact



**E-Mail:** [inquiries@west-cs.com](mailto:inquiries@west-cs.com)  
**Website:** [www.west-cs.com](http://www.west-cs.com)



**Address:** 1675 Delany Road  
 Gurnee  
 IL 60031  
 USA



**Telephone:** +1 800 866 6659  
**Fax:** +1 847 782 5223