



DESIGN DEPT. | MANUFACTURING | SPECIAL PURPOSE MACHINES
METROLOGY | MAINTENANCE | INDUSTRIAL FACILITIES

SPECIALISTS IN HIGH PRESSURE | HIGH TEMPERATURE | PROCESS INSTRUMENTATION

Combined skills to provide a complete range of solutions

PACS FLYING CASE



NUMBER OF ANALOG CHANNELS :

6 but modular

TYPE › differential voltage and current

RESOLUTION : 24 bit ADC

MAX. FREQUENCY :

100 Hz sample rate per channel

ACCURACY : 0.05%

LINEARITY ERROR :

0.01% typical full-scale

REPEATABILITY :

0.003% typical (within 24h)

ISOLATION VOLTAGE :

- 500 VDC channels to power supply channel to bus
- 100 VDC continuous, channel to channel

FUNCTIONS :

linearization, digital filter, average

UNIVERSAL TACHOMETER

NUMBER CHANNELS : 2 but modular

INPUT RANGE : 0.0067 Hz to 100 kHz

CALIBRATION : 0-999999 with 10-1 to 10-5 decimal point position selection

MAX. FREQUENCY :

- Sine wave input (magnetic pickup): 10 kHz
- NPN open collector input: 100 kHz
- Square wave input: 30 kHz
- Contact input: 20 Hz

ACCURACY : 0.05%



PARTNERSHIP



PUMPING AND CEMENTING SUPERVISION

ACEI and ECS have combined their know-how to create the PACS Flying case, which is a modular all-terrain acquisition system, designed at first for cementing units, but able to adapt to any process. The PACS reads signals from different types of sensors in order to display them on a color touch screen.

The model shown here is a micro format, but modular on request:

- dimensions 559 x 351 x 229 mm
- weight 16 kg
- 6 selectable analog channels 0/10V, 0/5V or 4/20mA and 2 pickup sensors channels.
- Standard 12Vdc or 24Vdc sensor power supply.
- Universal power supply 220Vac, 110Vac, 12Vdc, 24Vdc.
- 10 inches touch screen (1024x768px for resolution)
- i5 processor
- wifi and ethernet ports

PARTNERSHIP



The PACS Flying Case adapts to your installations regardless of the modbus, mV or power supplies you have. Depending on your needs, it can also be manufactured in several formats, both transportable and as a static box.

The i5 processor of the computer is a good compromise between processing power and versatility. The provided wifi and ethernet ports allow you to integrate the PACS very easily into your network, and to make it accessible to both operators and managers.



Thanks to these connection possibilities, the operator can work on site and launch a live acquisition of operations from its control booth without having to move the case.

A function allows you to put comments in real time, thus noting the important points in the data file and on the curves.

Alarms can be configured to reveal the critical areas of your system, or to calibrate your process via 4-point linearization tables, thus ensuring optimal accuracy.

The manager can monitor the process workflow in real time from his desk or on its smartphone. There is also a function to process the data and correlate critical measurements.

The PACS has an HMI and an Input/Output board, which are modular and can be coupled together, thus increasing the possibilities and configurations.

This versatile system will allow you to keep a vision of your acquisitions whether you are on your operations, or supervising several different equipment from your control station.

SEVERAL OPTIONS ARE AVAILABLE. CONTACT US.
Our teams are available to respond to any specific request



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