

## Dear Engineer,

This month we discuss easy solutions to pre-process signals for a variety of instrumentation functions. Acromag's IntelliPack transmitters, alarms, and math modules are easily configured for integrator, totalizer, characterizer, comparator, and limit monitoring applications.

To discuss your application with our team of experienced I/O experts or get a quote, call us at 877-295-7035 or email us at [sales@acromag.com](mailto:sales@acromag.com).



## Intelligent Signal Conditioners Simplify Temperature, Flow, Level, and Alarm Computation Tasks Without Any Programming

Have you ever wished a [transmitter](#) or [limit alarm](#) had a little more intelligence so you didn't need to burden your PC, PLC, or DCS with additional signal processing [calculations](#)? If so, you should consider Acromag's [IntelliPack Signal Conditioners](#) with a configurable internal microcontroller. IntelliPacks can independently apply mathematical and analytical functions to inputs for pre-processed outputs.



IntelliPacks are software-configured via USB or a serial port using easy setup screens. No programming is required. Just select the desired settings from a list or enter your application values to define linearization curves, sample rates, and relay trip points. You can enter equations as in a spreadsheet formula to calculate output based on arithmetic, logarithmic, exponential, conditional, and other relationships. Software simulation lets you test equations offline for output response to varied conditions.

Here is a sampling of functions IntelliPacks can perform:

- Scaling and totaling multiple 4-20mA flow sensor signals
- Converting a level signal to a proportional volume signal
- Transmit a signal representing the average or ratio of two flow lines

## New USB Transmitters Webcast

Learn how Acromag's new [ST130 transmitters](#) leverage the latest signal conditioning technologies to provide a performance level and feature set previously unavailable in a unit of this size and price.

[Watch Now](#)

## Educational Videos



[Six reasons isolators & splitters are a good choice.](#)



[Why you need USB isolation to protect your instrumentation video](#)

## Want a Brochure?

- Apply a transfer function where output is defined by an equation or curve
- Control relays with window/band-pass, deviation, and rate-of-change limits
- Detect peak and valley signal values and hold an alarm state
- Output a pulse signal to calculate flow, volume, weight, or power
- Apply pulse-width modulation or hold the output value from a critical event

For more information, download the following capability overviews.

[Intelligent Transmitters](#)

[Intelligent Alarms](#)

[Intelligent Math Modules](#)

[IntelliPack Application Notes](#)

## New Acromag Distributor in France

Acromag is excited to announce that our world wide distribution channel in France is expanding with the addition of [ADM21](#). You can reach ADM21 at +33 (0)1 46 52 01 03 or visit their [website](#) for more information.



Our list of sales distributors and representatives is available from our [website](#).

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## More Resources

Signal Conditioning and Distributed I/O Solutions Product Summary Guide, 31 page brochure

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Download your 226 page [Signal Conditioning and Distributed I/O Catalog](#). (31 MB)

[Rugged and stackable EtherStax Ethernet I/O](#), 38 page brochure. (7.5 MB)

[BusWorks Industrial Ethernet I/O Modules](#), 28 page brochure. (8MB)



We'll mail you a copy of our latest product selection guide. [click here](#)

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**7** YEAR WARRANTY

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For more information contact Acromag's sales department at 877-295-7035 or send an email to [sales@acromag.com](mailto:sales@acromag.com).

**Sincerely,**



Acromag Marketing Communications Department