

## Profibus Communication Added to Absolute Encoders

Terryville, CT – Advanced Micro Controls Inc. (AMCI), adds Profibus-DP communication to their lineup of NR25 series encoders. These heavy duty rotary sensors provide an overall measuring range of 16 bits (single-turn resolution) plus 12 or 14 bits (number of revolutions), up to 30 bits total. With both single-turn and multi-turn versions available, [AMCI's Profibus encoders](#) are ready for any application. AMCI NR25 Profibus-DP encoders are compatible all PLCs that support Profibus-DP.

### NR25 Profibus-DP Encoder Features:

- Up to 30 bit (65536 steps x 16384 revolutions) Resolution
- Absolute Single-turn and Multi-turn
- Resolver-based Durability
- IP67 Ingress Protection Rating
- Solid Shaft and Hub Shaft Versions
- Stainless Steel Units Available



Profibus is a supplier-independent, open field bus standard for a wide range of applications in manufacturing and process automation. Profibus-DP is the most frequently used communication profile in Profibus. It is optimized for speed, efficiency and low connection costs and is designed especially for communication between automation systems and distributed peripherals.

### Simplify Installation and Cut Costs

These Profibus-DP encoders utilize a “daisy-chain” bus topology, with a single Profibus cable wired from the master (such as a PLC) to the first slave (device) and through each additional device on the network. The NR25 can be programmed through the host PLC software, eliminating the need to learn additional software. A downloadable PC-based GUI (graphical user interface) allows you to easily set the address, position resolution, counting direction, velocity format, and preset value through the Profibus network.

LEDs on the NR25 Profibus encoder help technicians troubleshoot from the factory floor by displaying diagnostic information including device and network status.

### The Package

AMCI NR25 Profibus encoders are offered in a 2.5” diameter package with three M12 connectors on the back, supplying power and Profibus-DP connectivity. [The NR25 encoder is resolver based](#), meaning that it is designed to provide absolute position feedback without glass discs or sensitive LED components; enabling it to withstand high levels of shock and vibration. The IP67 rated package is the solution for single-turn and multi-turn position applications requiring protection from dust and water ingress. Stainless steel versions are also available for food grade and marine environments.



AMCI NR25 Series encoders are now available with [Profibus-DP](#), [EtherNet/IP](#), or [Modbus TCP](#) connectivity. For more information on AMCI NR25 series encoders, visit our website>> [www.amci.com](http://www.amci.com)

**About Advanced Micro Controls Inc.**

Founded in 1985, Advanced Micro Controls Inc ([AMCI](#)) is a leading U.S. based manufacturer with a global presence. Our industrial controls improve the performance and profitability of today's factory and automation systems. AMCI specializes in the design, manufacturing, and sales of eight different product families. Long standing relationships with the biggest names in industrial automation enable our team to deliver innovative, competitive products that are designed for years of reliable performance.

Media Contact: Bob Alesio  
Telephone: (860) 585-1254 ext.128  
Email: [balesio@amci.com](mailto:balesio@amci.com)

Advanced Micro Controls Inc.  
20 Gear Drive  
Plymouth Industrial Park  
Terryville , CT 06786 USA  
Telephone: (860)-585-1254  
Facsimile: (860) 584-1973  
<http://www.amci.com>

###