

836E Solid-State Pressure Transmitters

Heavy-duty non-display condition sensors for reliable pressure control

Rugged, easy-to-apply solutions for tough industrial applications

Allen-Bradley solid-state sensing devices are designed to produce high-quality results in a variety of rugged environments. The flexibility of switch configuration, mounting flexibility and sanitary connectors make Allen-Bradley 83xE switches suitable for a wide range of applications, and these new pressure transmitters are no exception.

Bulletin 836E solid-state non-display pressure transmitters provide a 4...20mA analog output. Featuring a compact, rugged 304 stainless-steel IP65 housing, 836E non-display pressure sensors are ideal for automotive, machine tool, injection molding and hydraulics/pneumatics applications. They are also offered with a variety of process connection options to suit a wide range of applications.

Ideal for pressure measurement applications ranging from 0...6,000 psi (gauge), the Allen-Bradley non-display transmitters are an economical alternative for making reliable and accurate pressure measurements.



Bulletin 836E solid-state transmitter

For over a century, Rockwell Automation has effectively addressed the ever-changing needs of industrial control by offering a constantly-evolving range of products aimed at enhancing customer success. That tradition continues with the introduction of an all-new line of Allen-Bradley non-display pressure transmitters to the condition sensing product offering.

Features:

- Microprocessor based with no moving parts for longer life and reduced downtime
- Rugged, compact corrosion-resistant 304 stainless steel housing features an IP65 enclosure rating to withstand harsh industrial conditions
- Operating pressure from 0...6,000 psi (gauge)
- 4...20 mA analog output
- M12 connector
- 316L Stainless steel sensing element
- 2...5 ms response time

Applications and Industries:

- Automotive industry
- Machine tool
- Hydraulics
- Pneumatics
- Injection molding machines

LISTEN.
THINK.
SOLVE.™

General Ordering Information – 836E Non-Display Solid-State Pressure Transmitters



Process Connection	Pressure Range (psi)	Max. Working Pressure (psi) ¹	Cat. No. ²
1/2 inch NPT (male)	0...15	40	836E-TD1CC8-D4
	0...50	160	836E-TD1EL8-D4
	0...150	400	836E-TD1EN8-D4
	0...500	1,000	836E-TD1EQ8-D4
	0...1,500	1,500	836E-TD1ER8-D4
	0...6,000	6,000	836E-TD1EU8-D4
1/4 inch NPT (male)	0...15	40	836E-TD1CC4-D4
	0...50	160	836E-TD1EL4-D4
	0...150	400	836E-TD1EN4-D4
	0...500	1,000	836E-TD1EQ4-D4
	0...1,500	1,500	836E-TD1ER4-D4
	0...6,000	6,000	836E-TD1EU4-D4
1/2 inch NPT (male) 1/4 inch NPT (female)	0...15	40	836E-TD1CC9-D4
	0...50	160	836E-TD1EL9-D4
	0...150	400	836E-TD1EN9-D4
	0...500	1,000	836E-TD1EQ9-D4
	0...1,500	1,500	836E-TD1ER9-D4
	0...6,000	6,000	836E-TD1EU9-D4
G1/2 (flush mount)	0...15	40	836E-TD1CC62-D4
	0...50	160	836E-TD1EL62-D4
	0...150	400	836E-TD1EN62-D4
	0...500	1,000	836E-TD1EQ62-D4
	0...1,500	1,500	836E-TD1ER62-D4
	0...6,000	6,000	836E-TD1EU62-D4
G1/4 (male)	0...15	40	836E-TD1CC6-D4
	0...50	160	836E-TD1EL6-D4
	0...150	400	836E-TD1EN6-D4
	0...500	1,000	836E-TD1EQ6-D4
	0...1,500	1,500	836E-TD1ER6-D4
	0...6,000	6,000	836E-TD1EU6-D4
Recommended cordset: 2m (6.5 ft) 4-pin DC micro (straight) ²			889D-F4AC-2
Recommended cordset: 2m (6.5 ft) 4-pin DC micro (right angle) ²			889D-R4AC-2

¹ Maximum working pressure (MWP) is the maximum pressure that switches can tolerate for an indefinite period of time. Over pressure limit is the maximum pressure that switches can tolerate for a short period of time without sustaining permanent damage.

² Additional cable lengths are available. Shielded cables may be used to protect analog signal quality in an electrically noisy environment—refer to the *On-Machine Connectivity* catalog for options.

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