

EL232 XPCD Explosion Proof Remote Serial Display



PART #	DESCRIPTION
20904	EL232 XPCD

Applications

- For remote weight readings in Class I, Division 1 & 2, Groups C & D; Class II, Division 1 & 2, Groups E, F & G and Class III hazardous environments

Standard Features

- 20 mA current loop or RS-232 input
- Compatible with all IQ plus® series indicators
- NEMA 4, 7CD, 9EFG enclosure

Options/Accessories

Options and accessories for the EL232 XPCD may require additional hardware; consult factory with your application and specification needs.

- Vinyl organisol coating
- Polyurethane coating
- 20 mA current loop output
- Multi-scale inputs (4) accumulative
- Accumulation with reset
- RS-232 intrinsic safety barrier

Intrinsic Safety Barriers



PART #	DESCRIPTION
Barrier Sets	
19382	Uncased barrier set for use with IQ plus 320 HE, IQ plus 810 HE and IQ plus 810SS
19505	Cased barrier set for use with UMC555, UMC2000, IQ plus 310, IQ plus 700HB, UMC600, IQ plus 800 and IQ plus 810
Individual Barriers	
30263	+/- Signal barrier
30264	+/- Sense barrier
30265	+ Excitation barrier
30266	- Excitation barrier

Applications

Uncased unit

- For use with IQ plus® 320HE, IQ plus® 810HE and IQ plus® 810SS

Cased unit

- For use with UMC555, UMC2000, IQ plus® 310, IQ plus® 700HB, UMC600, IQ plus® 800 and IQ plus® 810

Standard Features

- Each system features excitation, sense and signal barriers
- Available in an enclosure for external mounting or in a chassis mount version
- R Stahl or equivalent barriers that are approved by Factory Mutual
- Load cells must have a bridge resistance of 350 to 750Ω

Options/Accessories

Consult factory for systems designed for other indicators

DISPLAY:

High-intensity, red LED, 0.8" (20.3mm) high digits

INPUT VOLTAGE:

115 VAC, 60 Hz

WEIGHT:

Approximately 25 lb (11.3 kg)

NEC CLASSIFICATIONS:

Class I, Division 1, Groups C & D; Class II, Division 1, Groups E, F & G and Class III hazardous environments

BAUD RATE:

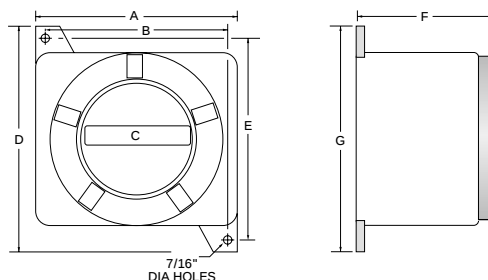
1200, 2400, 4800 and 9600

INTERFACES:

20 mA CL and RS-232 standard. The EL232 XPCD can communicate, as shipped, with twelve of the most common scale indicator families currently available. Please consult factory for model numbers and interface requirements.

WARRANTY:

One year limited warranty

**DIMENSIONS**

A = 10.50" (266.7mm)	D = 11.75" (298.5mm)
B = 9.50" (241.3mm)	E = 10.50" (266.7mm)
C = 5.81" (147.7mm) (Glass Diameter)	F = 7.50" (190.5mm)
	G = 11.75" (298.5mm)

CAUTION! The equipment contained within this Explosive Environment section requires greater attention to specification and installation guidelines. Improper specification, installation, or service of these products can result in loss of equipment or serious injury.

Barriers

Specifications

PART NUMBER 30263 +/- SIGNAL BARRIER**VOLTAGE RANGE:**

6 - 7.7 VDC

INTERNAL RESISTANCE:

482Ω

OPEN CIRCUIT VOLTAGE:

9.6

SHORT CIRCUIT CURRENT:

20.4 mA

CLASSIFICATIONS:

FM3610 Class I, II, III, Cenelec EN50 020, CSA C22.2 No.157, Short circuit-proof at rated voltage Group A to G

PART NUMBER 30265 + EXCITATION BARRIER**VOLTAGE RANGE:**

6 - 7.3 VDC

INTERNAL RESISTANCE:

30Ω

OPEN CIRCUIT VOLTAGE:

8.6

SHORT CIRCUIT CURRENT:

377.6 mA

CLASSIFICATIONS:

FM3610 Class I, II, III, Cenelec EN50 020, CSA C22.2 No.157, Short circuit-proof at rated voltage Group A to G

PART NUMBER 30264 +/- SIGNAL BARRIER**VOLTAGE RANGE:**

6 - 8 VDC

INTERNAL RESISTANCE:

482Ω

OPEN CIRCUIT VOLTAGE:

9.3

SHORT CIRCUIT CURRENT:

19.8 mA

CLASSIFICATIONS:

FM3610 Class I, II, III, Cenelec EN50 020, CSA C22.2 No.157, Short circuit-proof at rated voltage Group A to G

PART NUMBER 30266 + EXCITATION BARRIER**VOLTAGE RANGE:**

6 - 7.3 VDC

INTERNAL RESISTANCE:

30Ω

OPEN CIRCUIT VOLTAGE:

8.6

SHORT CIRCUIT CURRENT:

377.6 mA

CLASSIFICATIONS:

FM3610 Class I, II, III, Cenelec EN50 020, CSA C22.2 No.157, Short circuit-proof at rated voltage Group A to G