

PROCESS INDICATORS & CONTROLLERS

Special Features:

- Micro-controller based design
- Instruments offering digital indication, control, retransmission, signal isolation, flow totalizing, batch control features, etc
- LED or LCD Displays
- Loop-powered Indicators
- Battery powered Indicators.
- Up to two Control Relay outputs
- Operation by soft keys on facia or Remote Control (optional).
- 24 VDC power supply operation.
- Rugged, industrial grade Aluminum, Stainless Steel or industrial grade ABS enclosures
- Field / Hazardous area installations.
- IP-65 protection.
- Mounting accessories for wall or 2" pipe mounting.
- Proven record of several thousand installations
- Lifetime Warranty on design and workmanship.



Applications:

Omicron offers the new EXIC series weather-proof and explosion-proof instruments for various process measurement and control applications. The enclosures are designed for use in industries having a high degree of ambient dust, humidity, inclement weather and corrosive or hazardous atmospheres.

The display electronics is mounted inside the epoxy coated die-cast Aluminum housing, which has a Safety Glass window of 55 mm diameter for indication of process and control values. For more aggressive environments, a Stainless Steel SS316 version is also available.

Instruments such as Digital Loop Powered Indicators, LED Meters and Indicators for all applications, On/Off Controllers, etc. are some of the instruments offered in these enclosures.

The enclosures are compact, rugged and aesthetically designed. They are offered in Epoxy Green & Ivory color for Aluminum enclosures and Natural Silver color for Stainless Steel SS316 enclosures. Complete mounting accessories in Plated steel are offered for field or 2" pipe mounting.

The enclosures are certified for use in Gas Groups IIA and IIB and Zone 1 and 2 atmosphere by CMRI, Dhanbad, for Flame-proof applications as per IS/IEC 60079-1:2007 and Weather-proof app



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⚙ Specifications:

Type	:	Microcontroller based instrumentation in Explosion-proof / Weather-proof Execution. (fully configurable).
Input	:	4 to 20 mA DC, RTD Pt-100 (three-wire), Thermocouple, etc. (as required).
Indication	:	Four-digit red LED seven-segment display for process indication
Display height	:	0.4"
Scale Range	:	-999 to +9999
Calibration	:	Configurable
Accuracy	:	< ± 0.1%
Settings	:	By Membrane Key-pad soft keys on front panel Optionally by Remote Control through enclosure glass window.
Features	:	Settings for Scale Calibration, Decimal position, Relay setting.
Power Supply	:	24 VDC. Optionally 90 to 270 VAC, 50/60 Hz
Dimensions	:	140 x 130 x 130 mm (WxHxD).
Execution	:	Explosion-proof as per IS/IEC 60079-1:2007
Ingress Protection	:	IP-65
Enclosure	:	Weather-proof & Explosion-proof, Die cast Aluminum alloy LM6 (single chamber) suitable for Gas groups IIA/IIB, certified by CIMFR
Window	:	Toughened Safety Glass Window, 55 mm dia
Cable entries	:	Two, 3/4" ET SS Glands
Mounting	:	Suitable for Wall mounting or 2" pipe mounting.
Mounting accessories	:	M16 Mounting Bolt, 2" Pipe mounting U-Clam, L-Bracket

