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Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
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Воронеж (473)204-51-73
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МОНИТОРЫ

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Intrinsically Safe Field Display For use with Easidew I.S. and Easidew PRO I.S.



The Intrinsically Safe Field Display is a 4-digit loop-powered local monitor for the Easidew PRO I.S. and Easidew I.S. transmitters. It is certified with ATEX, IECEx, and FM and housed in an IP66 enclosure with a terminal compartment for wiring. The measurement unit can be labelled as ppm_V, ppm_W, °C dp or °F dp.

Highlights

- Loop powered 4-20mA indicator. Intrinsically safe certified with ATEX, IECEx, and FM
- Operating temperature between -40 and +70°C
- Bold 34mm high 4 digit display with optional backlight
- Robust GRP enclosure providing IP66 protection. Can be mounted by

itself or inside a sampling system enclosure
Built-in terminal compartment for easy wiring
Two optional galvanically isolated solid state alarm outputs

Technical Specification

Input

Current (dp)	4 to 20mA
Voltage drop	Less than 1.2V at 20°C Less than 1.3V at -40°C Less than 5V with optional loop powered backlight

Display

Type	Liquid crystal, non-multiplexed 4 digits 34mm high
Resolution	Dewpoint 0.1 °C/°F ppmV / ppmW 1 for 1000 – 9999 0.1 for 100.0 – 999.9 0.01 for 10.00 – 99.99 0.001 for 0.000 – 9.999
Span	Adjustable between 0 & ±9999 with 20mA input
Zero	Adjustable between 0 & ±9999 with 4mA input
Over-Range/Under-Range	9999 or -9999 with all decimal points flashing

Certification (Display Only)

ATEX	Group II Category 1GD Ex ia IIC T5 Ga Ta = -40 to +70°C
IECEX	Ex ia IIC T5 Ga Tamb = -40 to 70°C
FM	CL I, II, III: Div 1: GP A, B, C, D, E, F & G T4 @ 70°C

Environmental

Operating Temperature	-40 to +70°C (-20 to +60°C for FM version)
Storage Temperature	-40 to +85°C
Humidity	To 95% at 40°C non-condensing
Enclosure	IP66

Mechanical

Terminals (dp)	Screw clamp for 0.5 to 1.5mm ² conductors
Weight	1.7kg

Accessories

Backlight	Green, loop powered. Voltage drop of indicator plus backlight less than 5V
Alarms	Two alarm outputs each of which may be independently configured. Isolated solid state switch complying with requirements for simple apparatus Ron 5Ω + 0.7V max Roff 1MΩ min
External Keypad	Membrane keypad enables indicator to be configured without removing cover
Stainless Steel Legend Plate	Etched legend plate with tag number or application attached to front of the instrument
Pipe Mount Kit	Stainless steel bracket secured by two stainless steel worm drive hose clips for 60 to 80mm (outside diameter) vertical or horizontal pipe

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