

GDC-LP

GENERAL DISPLAY & CONTROLLER

Two Wire Transmitter, Loop Powered

THE ADVANTAGE

Universal Terminals: Use with process variables such as pH, ORP, Specific Ions and Conductivity.

Advanced Display: Low power consumption backlit LCD.

SIMPLE MANUAL: Quickly setup with flexible configurations for all applications.

INDUSTRIAL STANDARD OUTPUT: Loop-powered by 24VDC, with 4-20 mA analog output plus Hart.

SIMPLE INSTALLATION: Compact size, panel and handrail mounting for rapid installation in a variety of positions and applications

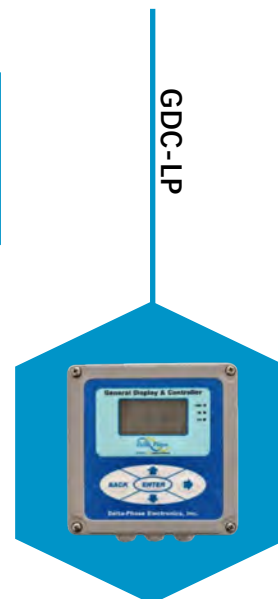
ADAPTING TO HARSH AND HAZARDOUS LOCATION: Rugged 1/2 DIN NEMA 4X polycarbonate enclosure for standard version and NEMA 7 Stainless steel enclosure for Explosion-proof version (Ex d IIC T6 Gb)

DESCRIPTION

GDC-LP (General Displayer & Controller) loop-powered terminals are designed for continuous measurements with Electro-Chemical analog sensors for measurements of water analysis in a general purpose industrial or municipal environment. The GDC-LP transmitter usually can measure 4 parameters: pH, ORP, specific ion and conductivity, seamlessly compatible with Delta-Phase's electro-chemical analog sensors like PH7A, RX7A, MV7A and CS7A. Standard GDC-LP transmitters use ½ DIN NEMA 4X polycarbonate enclosure which is designed for harsh industrial environments. The GDC-Ex-LP, explosion proof transmitters use NEMA 7 Stainless-Steel enclosure and a magnetic screwdriver for non-contact setup through the display window of the SS enclosure, eliminating the need to open the enclosure cover.



GDC-Ex-LP



GDC-LP



Low Voltage Directive 2014/35/EU

Electromagnetic Compatibility Directive 2014/30/EU

RoHS 2 Directive 2011/65/EU

EN 61010-1:2010; EN 61326-1:2013

GENERAL DISPLAY & CONTROLLER

SPECIFICATIONS

Measuring Parameters

Process variables of pH, ORP, Specific ions and Conductivity

Accuracy

±0.1%F.S.

Repeatable

±0.1%

Linearity

±0.05%

Respond time

T90<1s

Display

Backlit LCD Screen;
Parameter, value, % and Unit

Operating Temperature

20 to 50°C (-4 to 122°F)

Power Supply (Loop-Powered)

24VDC (18 to 36VDC), Max 500Ω

Temperature Compensation

Automatic 0 to 100°C, RTD. Adjustable slope.

Accuracy within ±0.1°C over the span

Output

Analog output: 4~20mA

HART is Optional

Housing

Standard Model:

1/2 DIN NEMA 4X (IP66) polycarbonate, 1.76 lbs. (0.8kg).

Explosion-Proof Model:

NEMA 7 (IP65) Stainless Steel, 5.0 lbs. (2.27kg)

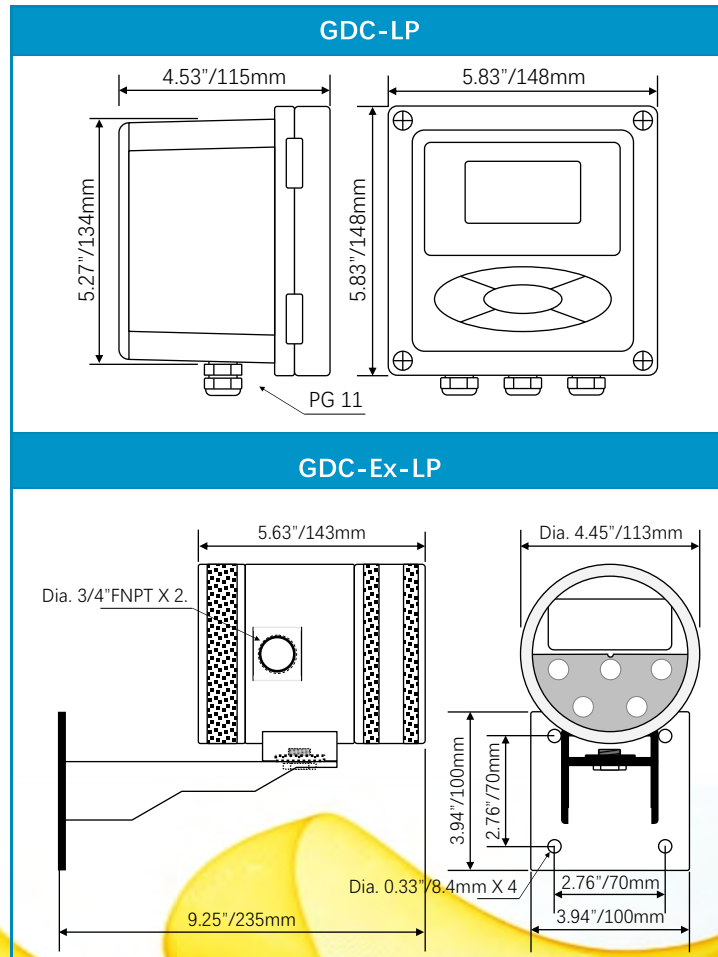
Explosion Proof Approval

Ex d IIC T6 Gb

ORDER CODE

GDC General Display & Controller			
	Parameters		
	-pH	For pH measurements	
	-RX	For ORP measurements	
	-mV	For Specific ions measurements	
	-CS	For Conductivity measurements	
	-RS	For Resistance measurements	
		Version	
-		Standard	
-Ex		Explosion-Proof version	
		Power Supply	
	-LP	24VDC Loop-Powered	
GDC	-pH	-Ex	- LP

DIMENSION



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