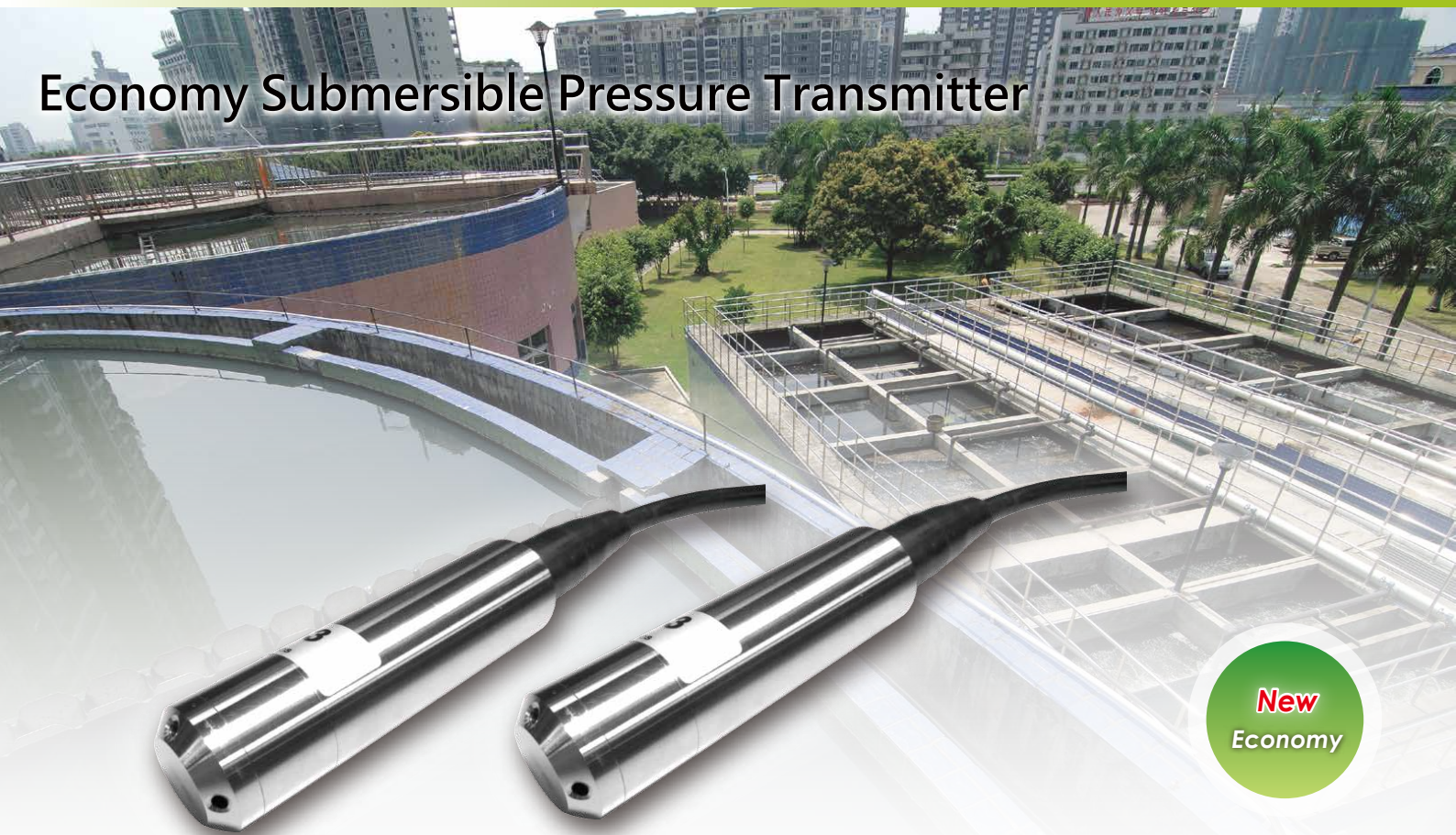


# L053 Submersible Pressure Transmitter

## Economy Submersible Pressure Transmitter



Piezoresistive Diaphragm Sensor	level Submersible Input	Pressure 0 bar   10 bar Measuring Range	A.O 4 mA   20 mA Output	Liquid Media Measured	SUS 304 Housing
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### Introduction

EYC L053, submersible pressure transmitter, is easy to apply in open container and rivers. Plunge the transmitter into the bottom of rivers and you can get level signal of lower limit and upper limit.

### Feature

- Piezoresistive diaphragm sensor type
- SUS304 housing, SUS316L sensor material, diameter 27Ø, PVC cable
- IP68 protection rating, compact and rugged design and easy to install
- With reasonable price, high accuracy and nicer long-term stability

### Applications

Drinking water equipment / Well pits / Wastewater plant / Big container and barrel / Flow current ( rivers and lakes )

## Specification

### Input

Sensor Type	Piezoresistive diaphragm
Input Type	Level
Measuring Range	0 ... 10 bar
Overpressure	1.5 x F.S.

### Output

Output	4 ... 20 mA
Signal Connection	2-wire
Load Resistance ( Current Output )	$[\text{ohm}] \leq \frac{\text{Working Voltage} - 10\text{V}}{0.02\text{A}} - 0.15\Omega \times \text{Cable length (m)}$
Output Calibration ( ZERO & SPAN )	$\pm 10\%$ of zero-point and full-scale
Response Time ( 10 ... 90 % )	$\leq 5\text{ ms}$

### Temperature Influence ( at + 35 °C )

Zero-Point Error	$\pm 1.0\%$ of F.S.
Measuring Range Error	$\pm 1.0\%$ of F.S.

### Accuracy

Accuracy	$\pm 0.5\%$ of F.S.
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### Environment

Media Measured	Liquid
Temp. of Media Measured	0 ... + 50 °C
Ambient Temperature	0 ... + 50 °C
Ambient Humidity	0 ... 100 %RH
Storage Temperature	-25 ... + 60 °C

### Electric

Power Supply	10 ... 30 VDC
Current Consumption	$\leq 27.5\text{ mA}$
Overvoltage Protection	$< 33\text{ VDC}$
Electric Connection	Dedicated Cable

### Installation

Installation	Submersible
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### Protection

Protection Rating	IP 68
Electric protection	⊗ Polarity protection ⊗ Short-circuit

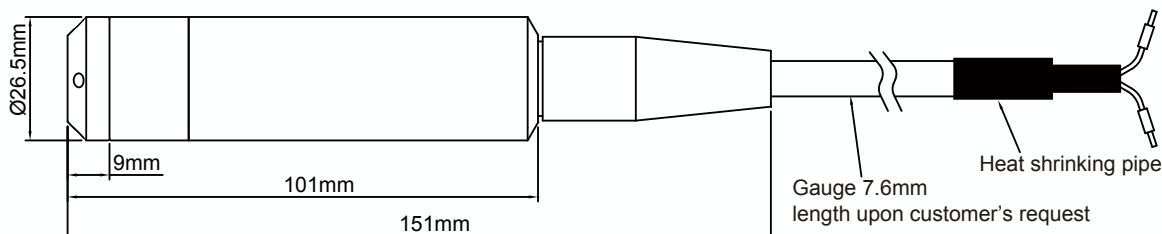
### Certification

Certification	CE
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### Material

Housing	SUS 304
Wetted Surface	SUS 304
Sensor	SUS 316L
Sealing Material	NBR
Cable	PVC
Weight	about 290g ( without cable )

## Dimension



## Ordering Guide

Item	L053	-	06	1	0	-	08	-	1	
Pressure Range	0.1 bar		01							
	0.16 bar		02							
	0.25 bar		03							
	0.4 bar		04							
	0.6 bar		06							
	1.0 bar		11							
	1.6 bar		12							
	2.5 bar		13							
	4.0 bar		14							
	6.0 bar		16							
	10 bar		21							
Output	4 ... 20 mA			1						
Power Supply	10 ... 30 VDC				0					
Cable Length	3 m					-	03			
	4 m					-	04			
	5 m					-	05			
	6 m					-	06			
	8 m					-	08			
	12 m					-	12			
	18 m					-	18			
	27 m					-	27			
	42 m					-	42			
	62 m					-	62			
	102 m					-	A2			
Option						-	00			
Cable Material	PVC							-	1	
Options	Option Pressure Range									W

- "Pressure Range" : 04 ( 0.4 bar ) → "Cable Length" : 06 ( 6 m )
- "Pressure Range" : 21 ( 10 bar ) → "Cable Length" : A2 ( 102 m )

## Diagram

