

- No Programming Required
- Excellent Chemical Resistance
- Perfect for Dosing | Pulsating Flows

PP

PVDF

316L

**SERIES : PRD**  
**CONNECTION : 1 ¼" G Type Thread**



## FEATURES

- Display Changes from Green to Red (Alarm Status)
- Time to Change Bags-Clean Filter
- Highly Accurate 0.25% of Full Scale
- Ceramic Diaphragm 316 SS ½" NPT Process Port
- Display Pressure Units PSI, Bar, Kg/Cm<sup>2</sup>, KPA
- Two (2) 3 Amp Relay Alarm Functions
- 4-20mA Analog Output Function
- Digital RS-485 Interface Function (optional)
- IP66 NEMA 4X
- Heavy Sediment (optional)

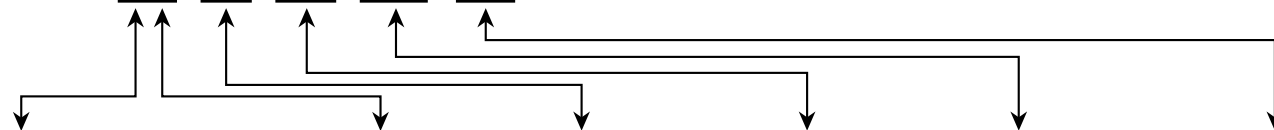
## Key function

Alarm Setting : Press <span style="background-color: red; color: white; padding: 2px 5px;">SET</span> key 5 seconds (Lk.9)
Function Setting : Press <span style="background-color: blue; color: white; padding: 2px 5px;">▲</span> key 5 seconds (Lk.9)
Communication Setting : Press <span style="background-color: red; color: white; padding: 2px 5px;">SET</span> & <span style="background-color: blue; color: white; padding: 2px 5px;">▲</span> 5 seconds (Lk.9)
Zero Setting : Press <span style="background-color: red; color: white; padding: 2px 5px;">SET</span> & <span style="background-color: blue; color: white; padding: 2px 5px;">▲</span> 5 seconds (Lk.A)

## SPECIFICATIONS

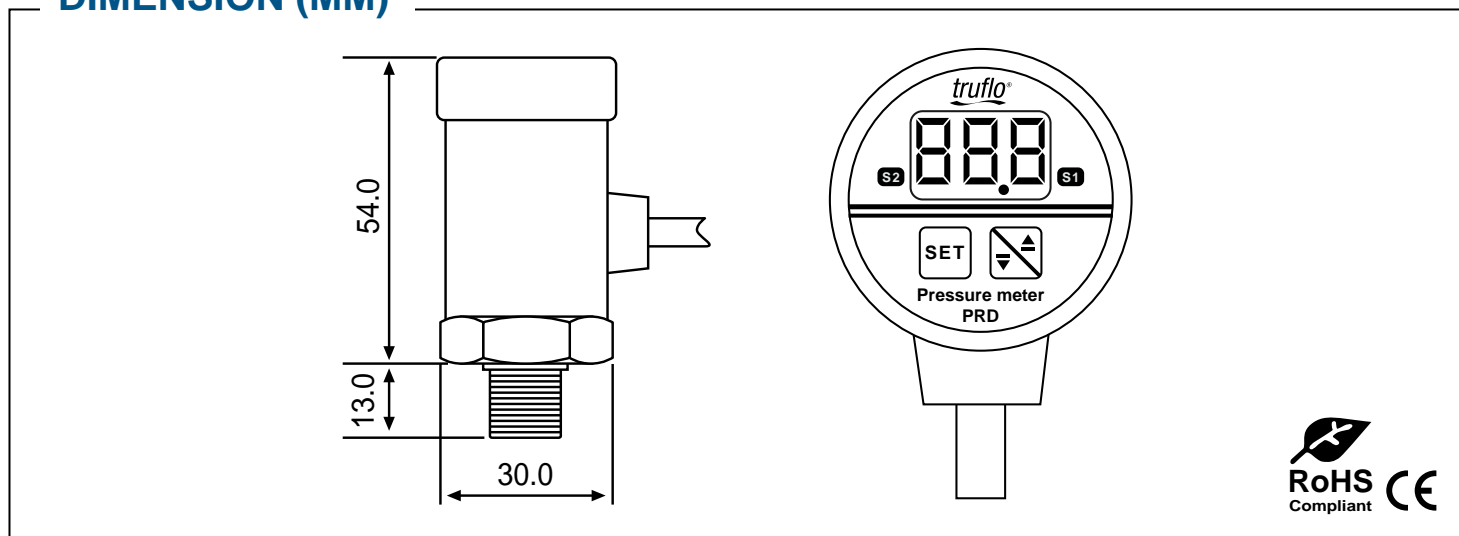
Pressure Sensor	Ceramic (AL <sub>2</sub> O <sub>3</sub> 96%)
Measured Fluids	Water or Chemical fluid or gases
Applied temperature	-25 ~ +125°C
Accuracy	± 1.0% of F.S. @ 25°C max.
Repeatability	<±0.5% FS max.
Operating voltage	10~30VDC
Current consumption	50mA max.
Pressure unit	Psi Bar KPa Kg/cm <sup>2</sup> Selectable
Pressure Display (PV)	0~F99
Communication	RS-485 RTU Optioned
Transmitter	4~20mA or 0~10V optioned
Output method	Two NPN or Two PNP or Two relay
Output current	150mA max.
Relay contact rated	1A   30 VDC max.
Over pressure	200% of FS min.
Burst pressure	300% of FS min.
Material of housing	Intensive ABS
Operating Temperature	-25 ~ +85°C
Protection class	IP- 64
Approval	CE RoHS

PRD - 10R - mA - SUS - 14PT - M12



Pressure Range	Output Method	Attachment Function	Port material	Tooth Rule	Connection Method
C1 = -1.00 ~ 1.00 Bar (-16.0 ~ +16.0 Psi) C10 = -1.0 ~ 10.0 Bar (-16.0 ~ 145 Psi) 10 = 0.0 ~ 10.0 Bar (0~145 Psi) 100 = 0.0 ~ A0.0 Bar (0~E50Psi) (non Kpa) 400 = 0.0 ~ 400 Bar (non Psi & Kpa) 600 = 0.0 ~ 600 Bar (non Psi & Kpa)	P = PNP*2 N = NPN*2 R = Relay*2	RS = with RS-485 non = without RS-485 mA = 4~20mA V = 0~10V	TF = PVDF PP = PP SUS = SUS-316L	TF or PP : 12NPT = 1/2" NPT 12FNPT = 1/2" FNPT SUS : 14PT = PT 1/4"-4.2 14PTS = PT 1/4" -0.6 14G = G 1/4" -4.2 14GS = G 1/4" -0.6	2M = Lead wire 2m M12 = M12 Connection

### DIMENSION (MM)



### Wiring Diagram

PNP or NPN Output	Relay output	PNP or NPN output with RS-485	NPN or PNP output with 4~20mA or 0~10V
1> Brown : +V 2> White : PNP or NPN 3> Blue : 0V 4> Black : PNP or NPN	1> Brown : +V 2> White : R2 (NO) 3> Blue : 0V 4> Black : R1 (NO) 5> Grey : Com	1> Brown : +V 2> White : NPN or PNP 3> Blue : 0V 4> Black : NPN or PNP 5> Grey : RS- 6> Orange : RS+	1> Brown : +V 2> White : NPN or PNP 3> Blue : 0V 4> Black : NPN or PNP 5> Grey : 0V 6> Orange : mA or V

### Display Range

Unit	Bar	Kg/cm <sup>2</sup>	Psi	KPa
「C1」	-1.00 ~ 1.00	-1.02 ~ 1.02	-14.5 ~ 14.5	-A0.0 ~ A0.0
「C10」	-1.0 ~ 10.0	-1.02 ~ 10.20	-14.50 ~ 145	-100 ~ A00 (1000)
「10」	0.0 ~ 10.0	0.0 ~ 10.2	0.0 ~ 145	0 ~ A00 (1000)
「100」	0.0 ~ A0.0 (100.0)	0.0 ~ A2.0 (102.0)	0 ~ E50 (1450)	non
「400」	0 ~ 400	0 ~ 408	non	non
「610」	0 ~ 600	0 ~ 612	non	non