

# PDT2-S



Sigfox Operated  
Differential Pressure Transmitter  
With Built-in Temperature Sensor  
for Gas Media

## MAIN FEATURES:

- Compatible with all Sigfox standard frequencies
- Pressure Range of 500Pa (or others)
- High accuracy
- Designed for outdoor applications
- Long-term durable performance in harsh environment
- Ultra-low power
- Compatible with air and other non-conductive and non-corrosive Media






## TECHNICAL SPECIFICATION










📏 Range:	Standard Range: $\pm 500$ (or other ranges on request)	Pa
📏 Pressure Accuracy (combined TEB):	$\pm 2$ (or others on request)	%Span
📏 Pressure Resolution:	0.02	Pa
📏 Pressure Reference:	Differential (bidirectional)	
📏 Temperature Accuracy:	2	$^{\circ}\text{C}$
📏 Power Supply:	Built-in Battery	
📏 Battery Lifetime	20,000+ reading (More than 10 years for most of applications)	
📏 Sigfox Frequency Zone:	RC1, RC2, RC4 (RC3 on request)	
📏 Sampling Rate:	Max 140 Sample	per day
📏 Temperature Coefficient of Zero:	$\leq \pm 0.05$	%FS/ $^{\circ}\text{C}$
📏 Temperature Coefficient of Span:	$\leq \pm 0.05$	%FS/ $^{\circ}\text{C}$
📏 Long term stability (1 year):	$\leq 0.05$	Pa
📏 Pressure Overload	100	kPa
📏 Pressure Cycles (Zero to Full Scale):	10+	Million
📏 Compensated Temperature:	-20 ~ +85	$^{\circ}\text{C}$
📏 Media Compatibility:	Air, Inert Gas	
📏 Process connection:	NPT1/8 Female (or others on request)	
📏 Response time:	$\leq 1$	mS
📏 Weight:	450	g
📏 Protection Rate:	IP65 /IP67, UV protected	-

## DIMENSION (mm)

### Enclosure Size:

	H:	40mm
	W:	110mm
	D:	150mm

## APPLICATIONS

-  HVAC and Air Conditioning Systems
-  Air Filter Performance Monitoring
-  Fan and Ventilation System Performance Monitoring
-  Research Projects
-  Pressurised Chambers Monitoring
-  Clean Rooms
-  Leakage Monitoring Systems
-  Heat Recovery Systems
-  Burner and Boiler Monitoring Systems

## ORDERING CODE

**PDT2-S - Frequency Zone - Range - Process Port - (customised options)**

**Note:** standard product comes with RC4 zone, range of  $\pm 500\text{Pa}$ , NPT1/8 Female process port and internal antenna.