

PDT2-L LoRaWAN™





















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

MAIN FEATURES:

- Compatible with all LoRaWAN™ 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: ± 500 (or other ranges on request)	Pa
 Pressure Accuracy (combined TEB):	± 2 (or others on request)	%Span
 Pressure Resolution:	0.02	Pa
 Pressure Reference:	Differential (bidirectional)	
 Temperature Accuracy:	2	°C
 Power Supply:	Built-in Battery	
 Battery Lifetime	20,000+ reading (More than 10 years for most of applications)	
 LoRaWAN Frequency Zone:	All Standard Frequencies on request	
 Sampling Rate:	Pre-adjustable (from 1/min to 1/day)	
 Temperature Coefficient of Zero:	$\leq \pm 0.05$	%FS/°C
 Temperature Coefficient of Span:	$\leq \pm 0.05$	%FS/°C
 Long term stability (1 year):	≤ 0.05	Pa
 Pressure Overload	100	kPa
 Pressure Cycles (Zero to Full Scale):	10+	Million
 Compensated Temperature:	-20 ~ +85	°C
 Media Compatibility:	Air, Inert Gas	
 Process connection:	NPT1/8" Female (or others on request)	
 Response time:	≤ 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-L - Frequency Zone - Range - Process Port - (customised options)

Note: standard product comes with AS923MHz, range of $\pm 500\text{Pa}$, NPT1/8 Female process port and external antenna.