

Wireless Differential Pressure Transmitter

WIDP57-NFLP

WIDP57-FLP



The Wireless Differential Pressure Transmitter is designed for EMS applications to meet the requirement of Measurement, Display & Data logging of Differential Pressure with Wireless data transmission to SCADA System via Central Base station.

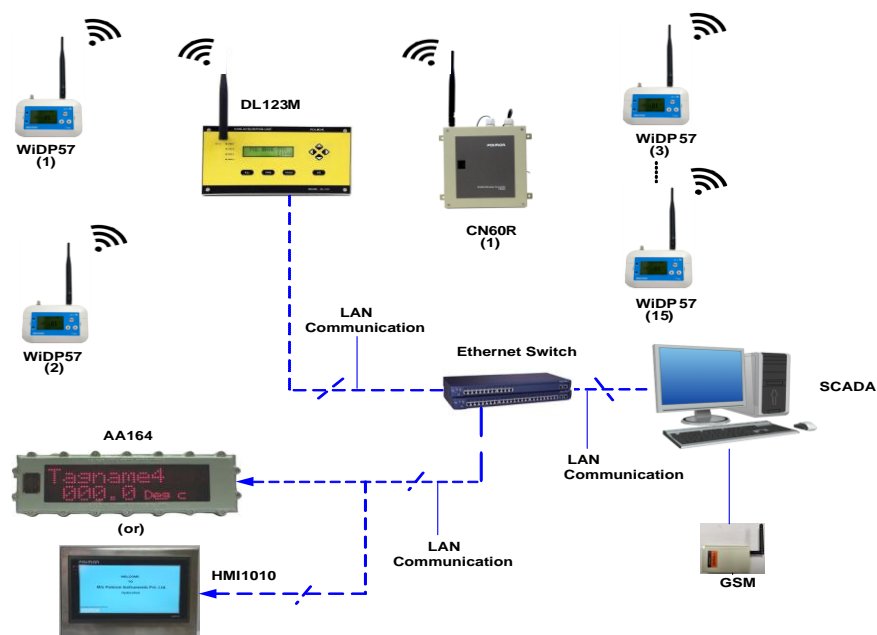
Features

- Measurement & Data logging of Differential Pressure
- Wireless Interface for easy setup and data download
- Selectable data Recording Time Interval: 1 to 255 min
- Battery Life time-5 months @ 5min Tx interval
- Remote configurable alarm and warning limits Differential Pressure
- Battery status monitoring & communication remotely
- Power options: Replaceable batteries (AA) / 24V AC/DC
- Data logging of 524280 records (364 days with 1min Interval)
- Designed to mount on wall with inbuilt or extension probe

Applications

- Environmental Monitoring for Clean Rooms
- Warehouse Data logging
- Pharmaceutical Industry

Network Architecture



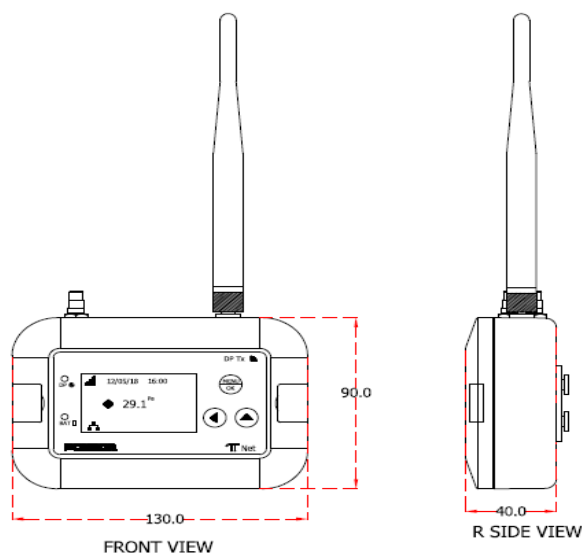
Specifications

Technical	
	Battery Operated Power Operated
Measurement Range	DP : (±125, ±500, ±1000)Pa, (±12.5, ±50.0, ±100.0)mmWC
Accuracy	DP: Range ±125 Pa/ ± 12.5mmWC: ±1.25% of Reading ± 2 count Range ±500 Pa/ ±50.0mmWC: ±1.5% of Reading ± 3 count Range ±1000 Pa/ ± 100.0mmWC: ±1.5% of Reading ± 3 count
Resolution	1 Pascal / 0.1mmWC
Response time	Typically 10sec
Clock	Network Time Synchronization
Remote Access Parameters	PV's, Battery Status, Signal Strength
Data logging	524280 Records i.e 364 days with 1 min logging interval Interval Programmable 1 - 255min Ring Memory (Including Alarm Events)
Power supply	Lithium Batteries 4*1.5V,AA, Make: Energizer L91 24V AC/DC@100mA
Battery life time	5 months @ 5min Tx interval ---
Display	Graphical LCD
Keys	Tactile Keys for NFLP Magnetic Keys for FLP
Indication Symbols	Battery Status Power status RF, Signal strength, Network, Engineering units
Local alarm LED Status	Low batt --- Differential Pressure deviations
Communication for data transmitting	Wireless Communication
Communication for Remote Display unit	--- RS485

Wireless Communication	
Frequency	865MHz to 867MHz
Distance	1500 Meters Line of Sight
Physical for NFLP	
Protection class	IP 65 for Instrument, IP60 for sensor
Dimensions (W X D X H)	90 x 130 x 40 mm
Housing material	ABS Plastic
Mounting	Wall mounting
Weight	400g approx.
Physical for FLP	
Protection class	Flame proof for Zone1, Zone2 Gas Gr.IIA, IIB
Dimensions (W X D X H)	213 x 148 x 55 mm
Housing material	Aluminum Alloy
Mounting	Modular wall Flush Mounting / On Wall mounting
Weight	2.5kg approx.
Environmental	
Storage Temperature	10 - 50°C
Humidity	10-95%RH, Non-Condensing

Ordering Information for WIDP57					
WiDP57	X	X	X	X	X
Model No.	Sensor Type	Display	Mounting Type	Power	Output
WiDP57	1 – Inbuilt Sensor ±125Pa	1 - Yes	1- NFLP Wall Mounting	1- Battery	X-Wireless
	2 – Inbuilt Sensor ±500Pa		2- FLP Wall Mounting	2- 24V AC/DC	1- Wireless+RS485 MODBUS Master
	3 – Inbuilt Sensor ±1000Pa				

Mechanical Drawing for WIDP57-NFLP



Mechanical Drawing for WIDP57-FLP

