

WiRhT78 Wireless Rh & Temperature Transmitter



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

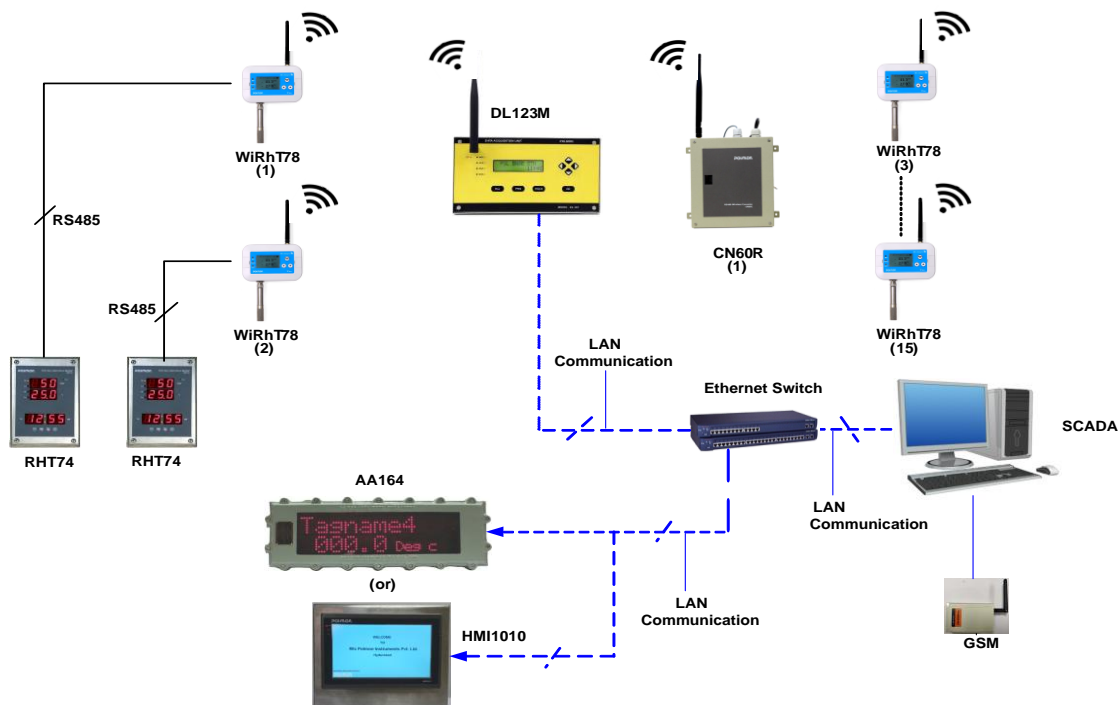
Features

- Measurement & Data logging of Relative Humidity and Temperature
- Wireless interface for easy setup and data download
- Selectable data Recording Time Interval: 1 to 255 min
- Battery Life time-6 months @ 5min Tx interval
- Remote configurable alarm and warning limits for Rh and temperature
- 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
- Sensors are interchangeable

Applications

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

Network Architecture



Specifications

Technical	
	Battery Operated Power Operated
Measurement Range	RH : 0 -100%RH Temp. : 5 - 50°C
Accuracy	RH : ±2%. For the range 10-80% and ±3% for remaining Temp. : ±0.3 °C. For the range 5-50°C
Resolution	RH : 0.1% Temp. : 0.1 °C
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	4*1.5V,AA, Energizer L91 24V AC/DC@100mA
Battery life time	6 months @ 5min Tx interval ---
Display	Graphical LCD
Keys	Menu, Up & Shift
Indication Symbols	Battery Status Power status RF, Signal strength, Network, Engineering units
Local alarm LED Status	Low batt --- RH & Temp 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
Sensor Interface	
Mounting Sensor	Inbuilt Probe / Extension Probe
Probe dust filter material	SS Sintered
Housing material	SS316
Dimensions	95x15 mm
Physical	
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.
Environmental	
Storage Temperature	10 - 50°C
Humidity	10-95%RH, Non-Condensing
General	
RH & TEMP Extension Probe (optional)	Length : 05 (or) 10 meter



Ordering Information for WIRhT78					
WIRhT78	X	X	X	X	X
Model No.	Sensor type	Display	Mounting Type	Power	Output
WIRhT78	1 – inbuilt Replaceable Digital	1 - Yes	1 - Wall Mounting	1 – Battery	X – Wireless
				2 – 24V AC/DC	1 – Wireless + RS485 (Modbus mater)

Ordering Information for WITET92E		
WITET92E	X	X
Model No.	Cable Length	Future Use
WITET92E	1 – 05meter	X
	2 – 10meter	

Note: To be Ordered Separately

Instrument Dimensional Drawing

