

dT.21.MS

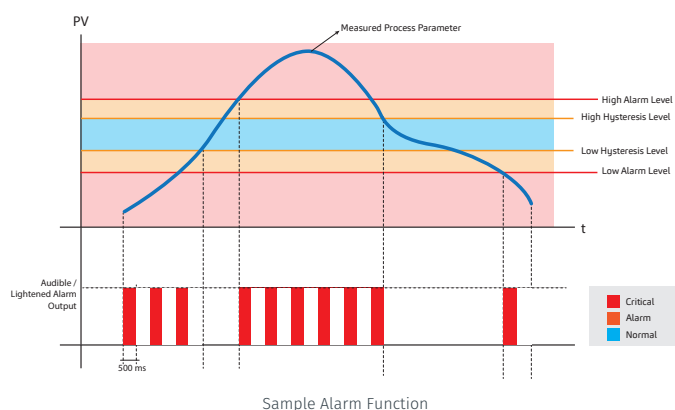
Monitoring & Alarm Solution with 5" Touch

Compact design for your monitoring projects

dT.21.MS is a compact Monitoring & Alarm Solution with **5" resistive touch screen** designed to be used in various sectors where multiple parameters need to be monitored.

Thanks to the modular design, **dT.21.MS** is able to **monitor and generate alarms from multiple parameters** such as temperature, humidity, differential pressure etc.

Especially for clean room applications, **dT.21.MS** has an **on-panel sensor options** such as differential pressure, temperature & humidity etc.



Via **integrated input and output ports**, it eliminates the need for additional hardware for **simple control / alarm functions** in locations where needed.

By means of its **pressure sensitive** resistive touch panel, it provides the opportunity to work with gloves in industrial environments.

User-friendly interface allows customers to configure system parameters easily.

Key Features

- Multiple parameters monitoring
- Alarm and notification functions
- Modbus communication with BMS
- Stainless steel frame for cleanroom applications
- Pressure sensitive resistive touch screen
- Compact design

Sensor Connection

Interface	Direct connection for on-panel sensors and 2 wire RS485 Modbus for external sensors
Baud Rate	9600 ... 156000 bps
Max Nodes on RS-485 Bus	4

On-Panel Sensors

Temperature

Measuring Range / Accuracy / Resolution	0...+60 °C / ± 0.2 °C @ 0...+60 °C typ. / 0.1 °C
Brand and Origin	Sensirion / Switzerland

Humidity

Measuring Range / Accuracy / Resolution	0...100 %rH / ± 1.8 %rH @ 10-90% typ. 25 °C / 0.1 %rH
Brand and Origin	Sensirion / Switzerland

Differential Pressure

Measuring Range / Accuracy / Resolution	± 25 ... 7500 Pa / 0.25 % of span ± 1 digit / 0.1 Pa
Brand and Origin	TE Connectivity / USA

Communication

Type / Baud Rate	Isolated 2w RS485 / 9600 ... 156000 bps
Max Nodes on BUS	32
Protocol	Modbus RTU

Display

Type	5" Color TFT / Resistive Touch Screen
Resolution	480 x 272 px.
Brand and Origin	Satoz / China

Electrical

Supply Voltage	18 ... 28 VDC
Connection Terminals	Screwless cable insert
Power consumption	5.5Wmax @ 24 VDC

Environmental & Mechanical

Operating temperature	-10 ... +60 °C
Protection class Enclosure	IP30/20
Dimensions	205 x 120 x 40 mm
Mounting	Flush mount

Dimensions

