

# Field mounted displays

The DM650 series has either the sensor included, or supplied separately.



DM 650TM

LCD battery-powered Pt100 and thermocouple thermometer, with relay and datalogging.



DM 650PM

LCD battery-powered pressure and media temperature indicator with relay and datalogging.



DM 650HM

LCD battery-powered humidity and temperature indicator, with relay and datalogging.



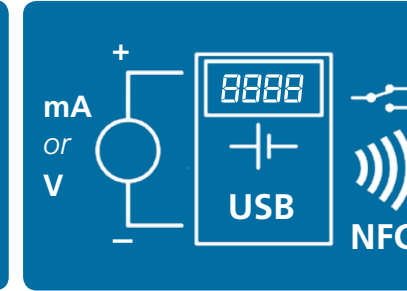
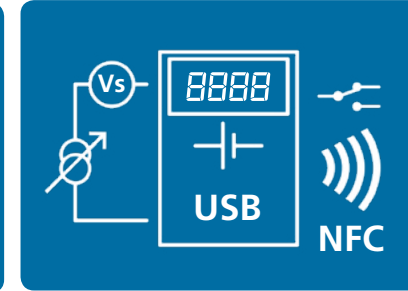
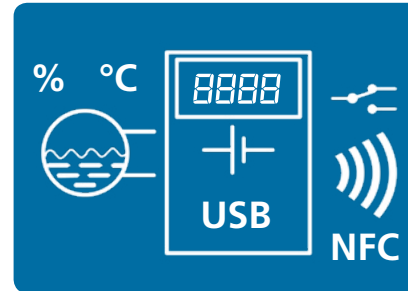
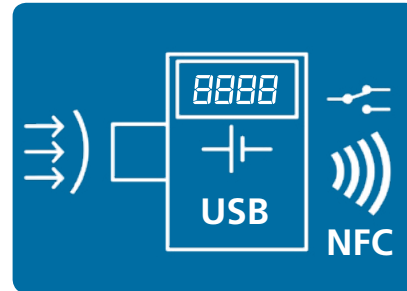
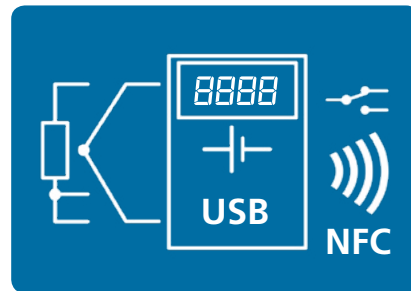
DM 650LP

(4 to 20) mA loop-powered LCD process indicator with relay and datalogging, and battery back-up.



DM 650VI

±50 mA or ±50 V, battery-powered LCD process indicator.



## INPUT

### Mechanical

- Pt100
- Thermocouple
- Pressure and media temperature
- Humidity and media temperature
- Current
- Voltage
- Linearisation/offset

### Sensor / surface mount

Yes
K, J, T, R, S, E, L, N, U, B, C, D, G
N/A
N/A
N/A
N/A
N/A
Offset

### Sensor / surface mount

N/A
N/A
Yes - sensor included, 1/4" BSP thread (adaptors available)
N/A
N/A
N/A
N/A
Both

### Sensor / surface mount

N/A
N/A
N/A
Yes - sensor included
N/A
N/A
N/A
N/A

### Sensor / surface mount

N/A
N/A
N/A
N/A
(4 to 20) mA loop (passive)
N/A
Both

### Sensor / surface mount

N/A
N/A
N/A
N/A
±50 mA
±50 V
Both

## OUTPUT

- Display
- Relay
- Contactless
- Custom messaging
- Datalogging
- Max / min

6-digit LCD 7.9 mm
Yes - 1 relay
NFC system
Yes
Yes - 5000 points
Yes - via datalogging

6-digit LCD 7.9 mm
Yes - 1 relay
NFC system
Yes
Yes - 3600 points
Yes - via datalogging

6-digit LCD 7.9 mm
Yes - 1 relay
NFC system
N/A
Yes - 5000 points
Yes - via datalogging

6-digit LCD 7.9 mm
Yes - 1 relay
NFC system
Yes
Yes - 5000 points
Yes - via datalogging

6-digit LCD 7.9 mm
Yes - 1 relay
NFC system
Yes
Yes - 5000 points
Yes - via datalogging

## GENERAL

- Ambient operating
- Power supply
- Battery life
- Enclosure
- Environmental rating
- Configuration

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
USB and NFC (some functions)

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
USB and NFC (some functions)

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
USB and NFC (some functions)

(-30 to +70) °C
(4 to 20) mA loop
2 years typical
SCH4
IP67
USB and NFC (some functions)

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
USB and NFC (some functions)

## APPROVALS

- ATEX

No - see DM640X series, page 24
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No
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No
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No - see DM700X series, page 24
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No
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# Field mounted displays

ATEX versions and large displays have either the sensor included, or supplied separately.



DM 640XP and 640XTC

ATEX-approved LCD battery-powered Pt100 or thermocouple thermometer.



DM 700X

ATEX-approved (4 to 20) mA loop-powered LED process indicator.



DM 660

Large-digit LCD battery-powered Pt100 thermometer.



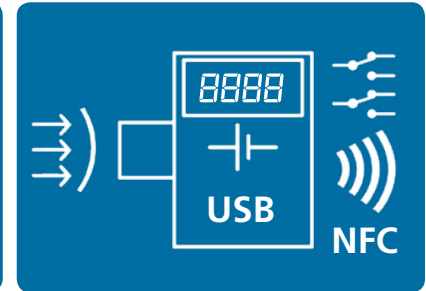
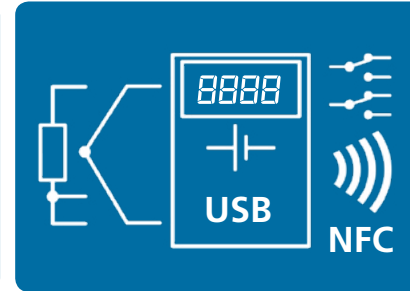
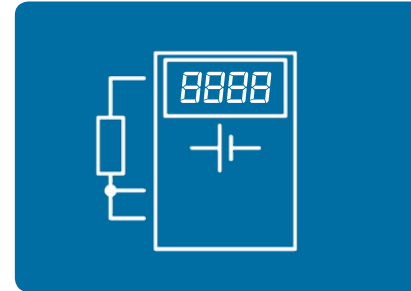
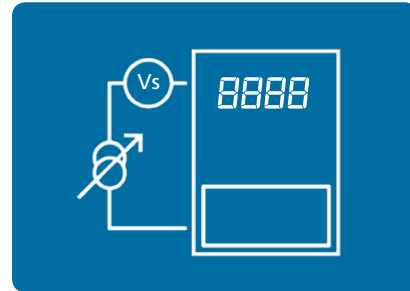
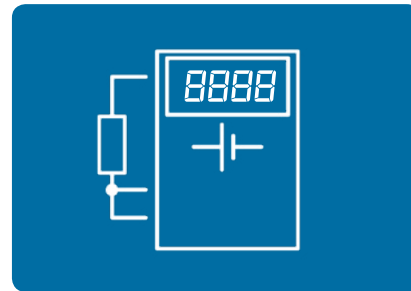
DM 670TM

Large-digit LCD battery-powered Pt100 and thermocouple thermometer, with two relays and datalogging.



DM 670PM

Large-digit LCD battery-powered pressure and media temperature indicator, with two relays and datalogging.



## INPUT

### Mechanical

- Pt100
- Thermocouple
- Pressure and media temperature
- Humidity and media temperature
- Current
- Voltage
- Linearisation/offset

### Sensor / surface mount

Yes
K, J, T, R, S, E, L, N
N/A
N/A
N/A
N/A
N/A
Offset

### Sensor / surface mount

N/A
N/A
N/A
N/A
(4 to 20) mA loop (passive)
N/A
N/A

### Sensor / surface / panel mount

Yes
N/A
N/A
N/A
N/A
N/A
N/A
N/A

### Sensor / surface / panel mount

Yes
K, J, T, R, S, E, L, N, U, B, C, D, G
N/A
N/A
N/A
N/A
N/A
Both

### Sensor / surface / panel mount

N/A
N/A
Yes - sensor included, 1/4" BSP thread (adaptors available)
N/A
N/A
N/A
N/A
Both

## OUTPUT

- Display
- Relay
- Contactless
- Custom messaging
- Datalogging
- Max / min

4-digit LCD 8.5 mm
N/A
N/A
N/A
N/A
N/A

4-digit LED 7 mm
N/A
N/A
N/A
N/A
N/A

4-digit LCD 20 mm
N/A
N/A
N/A
N/A
N/A
Yes

6-digit LCD 15.8 mm
Yes - 2 relays
NFC system
Yes
Yes - 5000 points
Yes, and relay condition

6-digit LCD 15.8 mm
Yes - 2 relays
NFC system
Yes
Yes - 3600 points
Yes, and relay option

## GENERAL

- Ambient operating
- Power supply
- Battery life
- Enclosure
- Environmental rating
- Configuration

(-10 to +50) °C
Battery 3.6 V lithium
2 years typical
SCH4
IP67
Push-button

(-10 to +70) °C
(4 to 20) mA loop
N/A
SCH4
IP67
Push-button

(-10 to +50) °C
Battery 3.6 V lithium
2 years typical
Stainless steel 100mm diameter
IP65
N/A

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
Stainless steel 100mm diameter
IP65
USB

(-30 to +70) °C
Battery 3.6 V lithium
2 years typical
Stainless steel 100mm diameter
IP65
USB

## APPROVALS

- ATEX

Yes
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Yes
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N/A
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N/A
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N/A
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