RedLion®
BY HMS NETWORKS

Graphical Analog Panel Meter PM-50 3.5-inch Display

Item number: PM500A0301600F00

The Analog Panel Meter PM-50 allows you to monitor your equipment with a 3.5-inch graphical display that's easy to set up, operate, and connect to your plant floor. Intuitive touchscreen, vibrant graphics and mobile app give instant visual access to workflow and performance data for faster decision-making. The power of industry 4.0 in a modular and expandable design.

Visualize performance data and equipment status instantly, wherever you are

Features and benefits

Visualize operational data

Display real-time performance data and status updates to stay on top of production and maintenance needs and eliminate downtime.

Fast and simple setup

Quick setup with a built-in wizard or program the device from a web browser or mobile app. Choose from a library of intuitive screen designs and customizable meter elements.

Seamless to connect

Connect the way you want to, via Ethernet, Modbus, RS485 or RS23. Or go wireless with Wi-Fi connectivity.

Easy upgrade to a smart factory floor

Just insert your PM-50 into an 1/16 DIN panel cutout and connect. Create a connected smart factory floor in minutes.

Easy to read graphical screen

At-a-glance insights on a 3.5", full-color display with vibrant, user selectable and easy to read graphics. Set color changes to indicate status changes, fault condition alerts and other notifications.

Simple to operate

Monitor on-site using a touchscreen panel or remotely using the mobile app to ensure top-level performance.

Simple to scale

The modular design makes it fast and efficient to add capability. Stack field-installable modules on for more output, communications and AC power functionality when you need it.

Connectable analog inputs

Choose from a wide array of inputs, including DC current, DC voltage, process signals, temperature (RTD and thermocouples) and resistive inputs.

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General

Net Weight (g)	0.01
Packed Width (mm)	150.8252
Packed Height (mm)	107.95
Packed Depth (mm)	184.15
Packed Weight (g)	272.01
Operating Temperature °C Min	-10
Operating Temperature °C Max	55
Storage Temperature °C Min	-20
Storage Temperature °C Max	60
Relative Humidity	0 to 85% max. RH non-condensing
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC
Maximum Installation Altitude (m)	2000
Mounting	Panel mount
Panel Cut-Out Dimensions	1.77" (45 mm) x 1.77" (45 mm)
Housing Materials	Polycarbonate
Front Sealing	NEMA 4X/IP65 indoor
Back Sealing	IP20
Packaging Material	Cardboard

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General

Warranty (years)	2

Identification and Status

Product ID	PM500A0301600F00
Country of Origin	United States of America (the)
HS Code	9030337000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	Terminal
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Display Features

Display Type	TFT
Pixels	320 x 240
Colors	262.144
Backlight Life Time (Typical)	30000 Hours
Backlight Brightness	540 cd/m2

Certifications and Standards

Protection Class IP	IP65
RoHS Compliant	Yes
CE	Yes
FCC	No

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Certifications and Standards

UKCA	Yes
UL	Yes
ATEX	No
DNV	No
KC	No
Vibration and Shock	Shock: IEC 68-2-27: Operational .02 (10 g relay); Vibration: IEC 68-2-6: Operational 5-500 Hz, 2 g