SERIOUS MONITORING

PM400

PM Series Planter Monitors

Built for world-class precision and performance, the PM Series offers a range of models for flexible planter monitoring.

Whether you're looking to monitor four rows at a time or 36 rows simultaneously, the PM Series has a model to suit your needs.

Versatile
For versatility and flexibility, you can't beat the PM Series of planter monitors.

During planting, use them for row and ground speed monitoring and area and population count for 16/36 rows. The units will even monitor accessories and are equipped with high and low population warning alarms.

For the off-season, the series offers speed and area modes for quick, simple field assessments.

Because PM Series monitors store their data in nonvolatile memory, you'll never have to worry about losing information when power is cut off.

Adapts to Your Needs
Simple set-up menus let you select the parameters your PM Series units monitor. They're preset for easy, out-of-the-box operation and customizable to fit advanced requirements.

You can also choose to display row information in bar graphs, gauges, or flashing bar segments. The PM Series even lets you enlarge the display text size for easier reading.

Multiple Models for Multiple Needs
The PM Series includes the PM300, PM400, and PM500 models, each with different features for different growers' preferences.

Monitor up to 16 rows with the PM300 and 36 rows with the PM400, plus two hopper levels and one frequency input (shaft, fan, flow). The PM500 lets you monitor up to 12 rows, two hopper level sensors, and three frequency inputs, plus connect to a row shut-off module through a CAN bus interface. That gives you control over 12 row shut-off solenoids.

Each model is compatible with DICKEY-john seed, flow, hopper level, and gear sensors, and the PM500 also works with application rate (shaft) sensors.

Backed by the Power of DICKEY-john
When you buy the PM Series, you get all this, plus the dependability and reliability you expect from DICKEY-john products. DICKEY-john's advanced technology and superior electronics are backed by a team of expert in-house mechanical, electrical, software, and test engineers. And, we manufacture our products and their components, ensuring total quality control—we're ISO 9001 certified.

PM Series Planter Monitors

DICKEY-john®
CORPORATION

PM Series Features

Adjustable target population

High and low population alarms

Population and population filter (update rate) adjustment

Three saved planter configurations

Two hopper monitors (alarm only)

Lift switch input

Alarm cancel feature

Speed area distance mode

Seed count mode

Optional feature/setup locks with password

Backlight dimming for full sunlight/nighttime use

Adjustable high volume, internal audible alarm

Metric/English units

User-definable operating screen

Three font sizes

User-definable text/graphic mode

User-selectable size and row indicators (lower half of operating screen)

> Bar graph (with proportional limit indicator)
>
> Gauge (with proportional limit indicator)
>
> Symbol indicators (blinking proportional to population)
>
> Symbol indicators (nonblinking/failure mode)

User-definable features for upper half of operating screen:

Planter population

> Average population
>
> Row scan
>
> Min/max/average row
>
> Seed spacing, including average, row scan, min/max/average row
>
> Seeds per distance, including average, row scan, min/max/average
>
> Speed monitoring (with high-speed alarm)
>
> Three area accumulators with individual resets
>
> Accessory monitoring with high and low alarms
>
> Area per hour

PM300/400 Specifications

Power: 10-16 VDC, 0.5A maximum (8.0A maximum with 16 seed sensors)

Operating temperature range: -20°C to 70°C

Storage temperature range: -40°C to 85°C

Size: 18.4 by 18.4 by 18.0 cm (7.3 by 7.3 by 7.1 in.)

Weight: 6.8 kg (15 lbs.) for 16-row PM400 system

Harnessing: Integrated to supply unit's power (fused), ground speed input, and sensor inputs (to hitch). Connectors compatible with existing DICKEY-john harnessing. Custom harnessing for sensor inputs available.

Sensors: Compatible with existing DICKEY-john sensors

Mounting: Rear attached horizontal or vertical mounting bracket. Optional three-axis adjustable mounting bracket

Contrast adjustment: Automatic temperature compensation for contrast

Backlight adjustment: Three settings for full sun, daytime, or nighttime use

CE certified

Dust and moisture resistant

PM500 Specifications

Power: 10-16 VDC, 0.5A maximum (6.0A maximum with 12 seed sensors)

RSO module power: 10-16 VDC, 0.5A maximum (module only)

RSO maximum drive current: 20A with thermal protection (12-row system 1.5A max sustained per row at 25°C)

Operating temperature range: -20°C to 70°C

Storage temperature range: -40°C to 85°C

Size: 18.4 by 18.4 by 18.0 cm (7.3 by 7.3 by 7.1 in.)

RSO module: 13.3 by 12.1 by 3.3 cm (5.3 by 4.8 by 1.3 in.)

Weight: 6.8 kg (15 lbs.) for six-row system

Harnessing: Integrated to supply unit's power (fused), ground speed input, CAN bus communications (to hitch), and sensor inputs (to hitch). Connectors compatible with existing DICKEY-john harnessing. Custom harnessing for sensor inputs available.

RSO module supplied without integrated harnesses. Custom harnessing available for battery, CAN bus (to console at hitch), and row shut-off device connections.

Sensors: Compatible with existing DICKEY-john sensors

Mounting: Rear-mounted horizontal or vertical mount bracket. Optional detachable, three-axis adjustable mounting bracket

Contrast adjustment: Automatic temperature compensation for contrast

Backlight adjustment: Three settings for full sun, daytime, or nighttime use

CE certified

Dust and moisture resistant

PM300
16-row monitoring
One accessory input (fan, shaft, or flow)

PM400
36-row monitoring
One accessory input (fan, shaft, or flow)

PM500
12-row monitoring
12-row tramline (four rows simultaneously)
Right and left marker input
CAN-based external row shutoff module
Three accessory inputs (fan, shaft, and rpm)