

# SERIOUS MONITORING



## 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 and PM400 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.

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**DICKEY-john**<sup>®</sup>  
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

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### PM300

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

### PM400

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