

PLANTER MONITORS

PM300, PM400, PM500

Combine versatility and simplicity with flexible monitoring adapted to individual needs.

Versatility

The DICKEY-john PM Series of planter monitors offer unbeatable versatility and flexibility. During planting, they are used for seed population verification as well as ground speed and area covered. Alarms can be set to alert you if your population rate moves too high or too low. Additional accessory inputs allow you to monitor shaft or fan speed. When you're not planting, the PM's can also be utilized as a simplistic ground speed and area monitor.

Simplistic Flexibility

The PM series utilizes setup menus to make initial operation quick and easy. While some planters may be more complex than others, the flexibility of the PM's allow customized setups to fit additional requirements. The monitors' nonvolatile memory means that your information and setup will be retained through a power cycle.

Multiple Models for Multiple Needs

The DICKEY-john PM Series is available in PM300 (16 rows) and PM400 (36 rows) for large-scale planter population monitoring. The PM500 provides up to 12 rows of monitoring while also offering row shutoff capabilities. Each model is compatible with DICKEY-john seed population, flow, hopper level, and speed sensors. The PM500 also works with application rate (shaft rotation) sensors.

Backed by the Power of DICKEY-john:

When you buy PM Series Planter Monitors you get all the dependability and value 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.



Features and Benefits:

- Seed population monitoring
- Area and ground speed monitoring
- Accessory monitoring
- High and low population warning alarms
- Speed and area modes for quick field assessment
- Data retained in power losses
- Preset parameters for out-of-the-box operation
- Customizable features for advanced operation
- Multiple seed flow display options



DICKEY-john[®]
SINCE 1966

PLANTER MONITORS

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DICKEY-john provides a variety of Planter Monitors to meet individual needs.

| | PM300 | PM400 | PM500 |
|-------------------------------------|--|--------|---|
| Monitoring | 16-row | 36-row | <ul style="list-style-type: none"> • 12-row • 12 - row tramline (four rows simultaneously) • Right and left marker input • CAN - based external row shut-off module |
| Input | 1 accessory input (select shaft RPM, liquid flow meter rate, or fan RPM) | | 3 accessory inputs (shaft RPM, liquid flow meter rate and fan RPM) |
| Operating Temperature Range | -4°F to +158°F (-20°C to +70°C) | | |
| Storage Temperature Range | -40°F to +185°F (-40°C to +85°C) | | |
| Sensor | Compatible with existing DICKEY-john sensors | | |
| Contrast Adjustment | Automatic temperature compensation | | |
| Backlight Adjustment | Three settings for full sun, daytime, or nighttime use | | |
| Power | PM 300 and 400 need to be placed centric: 10-16 VDC, 5 A maximum | | 10-16 VDC, 0.5A maximum (9.0A maximum with 18 seed sensors) |
| RSO module power | — | — | 10-16 VDC, 0.5 A maximum (module only) |
| RSO maximum drive current | — | — | 20A with thermal protection (12 output system 1.5A maximum sustained per row at 25°C) |
| RSO module dimension | — | — | — |
| Weight | <ul style="list-style-type: none"> • 4.4 lbs for 16-row PM300 system • 6.4 lbs for 36-row PM400 system | | 15 lbs (6.8 kg) for 6 row PM500 system |
| Harnessing | Integrated to supply unit's power (fused), ground speed input, and sensor inputs (to drawbar) | | Integrated to supply unit's power (fused), ground speed input, CAN bus communications (to hitch), and sensor inputs (to drawbar) |
| Mounting | <ul style="list-style-type: none"> • Rear attached horizontal or vertical mounting bracket • Optional three-axis adjustable mounting bracket | | |
| Size | 7.3" W x 7.9" H x 1.7" D (18.4 cm W x 20.1 cm H x 4.3 cm D) | | |
| CE Certified: | • | • | • |
| Dust and moisture resistant: | • | • | • |