

MT-2405F™ II

5-Boom Control



MICRO-TRAK
SYSTEMS, INC.

Innovative Technologies
for Tomorrow's Challenges

- Designed for use with existing boom control switches
- Universal harness available to update manual sprayer control systems
- FTW Model available for use with proportional shutoff valves

Advanced features

- Flash memory for simple customization
- Built-in capability for VRA
- Added NH3 and Turf units
- Records area and volume in 3 independent pairs of counters so individual jobs may be tracked
- Tank counter shows amount remaining in tank
- Low Tank Alarm: "Fill" flashes in display when tank level is low (settable)
- Enhanced reliability, precision and accuracy
- Inline/bypass for servos
- Troubleshooting enhancements including "No Speed" & "No Flow" messages

Standard features

- On-the-go rate adjustment in Auto control mode
- Push-button auto/manual feature for spot treatments
- Minimum flow feature to ensure proper application pattern as ground speed slows to extremes
- Precise rate control regardless of field conditions
- Solenoid and ball valve compatible (2 or 3 wire valves)
- Flow-based control
- Controls electric and hydraulic valves/motors
- NH3 compatible

The MT-2405F™ II features a large, easy-to-read liquid crystal display & lighted panel for night use.

VOLUME (1) (2) (3): Displays total gallons (liters) applied. May be reset.

AREA (1) (2) (3): Keeps a running count of the total acres (hectares) worked. May be reset.

VOLUME/MINUTE: Displays total gallons (liters) of liquid applied per minute.

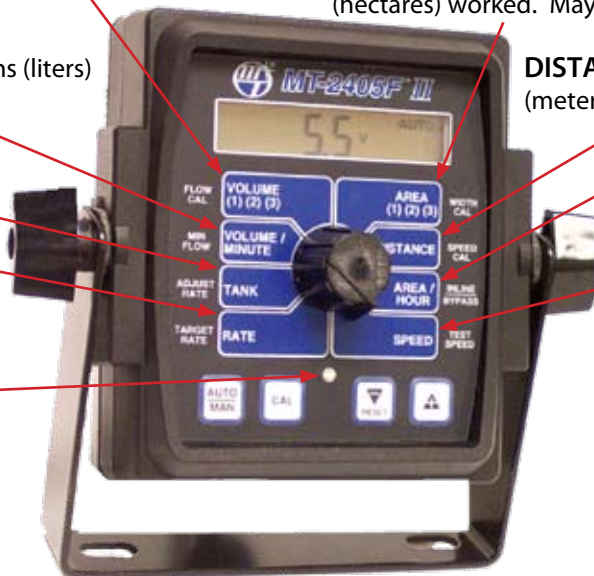
DISTANCE: Displays distance traveled in feet (meters). May be reset.

TANK: Displays gallons (liters) of liquid remaining.

AREA/HOUR: Displays current work rate in acres per hour (hectares per hour).

RATE: Displays application rate (GPA/LPH).

SPEED: Displays ground speed in miles per hour (kilometers per hour).



WARNING LIGHT: Indicates over or under application of 10% of the Target Rate. Also lit when in CAL.

Soft Key Functions:



AUTO/MAN: Changes operation from automatic to manual control mode.

CAL: This key is used to enter and exit the calibration mode.

PROGRAM KEYS: Used to calibrate and operate the system.

• **RESET** clears the counters when not in CAL and held for three seconds.

• **When in CAL,** the "+" key increases and the "-" key decreases the figure displayed. When applying, used to increase or decrease rate "on the go".



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System Options

Flowmeters

Model FM500



Flow Range: .05 to 5 gallons per minute (1 to 19 liters per minute)
Max. Oper. Pressure: 500 PSI (35-Bar)

Model FM750 GFN



Flow Range: 2 to 40 gallons per minute (7 to 150 liters per minute)
Max. Oper. Pressure: 150 PSI (10-Bar)

Model FM750 SS



Flow Range: 2 to 40 gallons per minute (7 to 150 liters per minute)
Max. Oper. Pressure: 500 PSI (35-Bar); higher pressure models available

Model FM1000



Flow Range: 3.5 to 70 gallons per minute (13 to 265 liters per minute)
Max. Oper. Pressure: 500 PSI (35-Bar)

Model FM1500 SS



Flow Range: 10 to 130 gallons per minute (38 to 492 liters per minute)
Max. Oper. Pressure: 500 PSI (35-Bar)

Models FM270 FM10-100



FM270 Flow Range: 3.5 to 70 gallons per minute (13 to 265 liters per minute)

Max. Oper. Pressure: 125 PSI (8.9-Bar)

FM10-100 same as FM270 except for the following:

FM10-100 Flow Range: 10 to 100 gallons per minute (38 to 380 liters per minute)

NH₃ Kits



NH₃500 Kit

- Stainless steel heat exchanger rated for 1000 to 6000* lbs. NH₃/hr.
- Proven reliability - economically priced
- Pre-assembled and pressure tested plumbing panel
- Includes alnico magnet in strainer to capture rust particles

** Delivery rates are dependent on tank pressure and plumbing*

The Liquifier™ Kit



- Full-range; high capacity heat exchanger rated for 1500 to 9000* lbs. NH₃/hr.
- Straight-through design means superior performance even in extremely cold weather; stainless steel components
- Pre-assembled and pressure tested plumbing panel
- Includes alnico magnet in strainer to capture rust particles

The Astro Series of GPS-Based Speed Sensors

The Astro GPS Speed Sensors are a direct replacement for magnetic wheel speed sensors or radar guns and can interface to most brands of monitors and controllers.

The Astro includes 2 red status lights on the interface module, indicating power and satellite fix.

The **Astro II** is an accurate and economical 1 HZ GPS receiver.

The **Astro 5** offers a 5 HZ receiver for faster response to speed changes.



Improve productivity and efficiency

Servo Valve

- 12 volt
- Improved reliability
- Rugged new exterior
- 1" NPT threads



Flanged Servo Valve

- 12 volt
- Improved reliability
- Connects to either Banjo style 2" flange or 1-1/2" NPT
- Available with either 1" or 1-1/2" butterfly



Electric Pump Driver



Micro-Trak's Electric Pump Driver (EPD) enables all Micro-Trak Rate Controllers to control the rate of flow by regulating the speed of a 12 volt pump.

The EPD replaces the electric servo valve and will control most 12v pumps up to a max of 25 amps.

The system can be purchased as part of a customized kit complete with control console, speed sensor and flowmeter, or if you own one of our controllers, you can just add the EPD kit and use your existing console and components.

For a complete distributor/dealer listing visit www.micro-trak.com or call us at 800-328-9613



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