

The logo for Grässlin, featuring the word "GRÄSSLIN" in a bold, blue, sans-serif font with a trademark symbol. Below it, the word "by" is in a smaller font, followed by the Intermatic logo (a stylized 'I' inside a square) and the word "INTERMATIC" in a blue, sans-serif font with a registered trademark symbol.

# GRÄSSLIN™

by  INTERMATIC®

# Industrial

*overview*

Grässlin by Intermatic's versatile line of industrial equipment is the premier choice for your industrial applications. But what does that mean to you the contractor, manager, and industrial equipment operator? Our time-honored company provides you with flexible, cost-effective solutions for your unique industrial control applications. You name the application and Grässlin by Intermatic will have the best solution in the industry. Our equipment goes beyond the usual applications and reaches out to the most obscure solutions.

# Manufacturing

- **Food Processing, Storage and Distribution (FM-MIL-GMX-FMD-DT)**
- **Injection Molding Monitoring (AC Hour Meters)**
  - Track running time between scheduled service to reduce downtime risk
  - Equipment warranty – monitor elapsed hours
- **Conveyor Belt Monitoring (AC Hour Meters)**
  - Track running time between scheduled service to reduce downtime risk
- **Industrial Water Filtration Applications (FM-MIL-GMX)**
  - Cooling tower filtration
  - Wastewater filtration
  - Food processing water filtration
  - Wastewater discharge filtration
- **Boilers (AC Hour Meters)**
  - Track running time between scheduled service to reduce downtime risk
- **Security Control (FM-MIL-GMX-FMD)**
  - Gate openers
- **Automated Equipment Monitoring (AC Hour Meters)**
  - Track running time between scheduled service to reduce downtime risk
- **Equipment Preventive Maintenance and Resale (AC/DC Hour Meters)**

AC/DC Hour Meters provide an accurate record of operating time for your manufacturing equipment. Recording operating time helps you maintain a preventive maintenance schedule to keep your equipment in good condition. This avoids costly emergency repairs and downtime in the future.

Manufacturing equipment, such as forklifts, punch presses, injection molding machines, CNC mills, paint lines, conveyor belts, process automation, riveters, and welders, are valued based on age, condition and logged hours of operation. For example, a forklift with 500 service hours will be worth more than another forklift with 2,000 hours. Hour meters provide an accurate account of elapsed operating time. This small investment can make a big difference in increasing resale value of your manufacturing equipment.





# Agricultural

- **Egg Production Systems (FM Series)**

- Control Lighting (simulate sun)
  - Control Conveyors

- **Chicken Feeders (FM-MIL-GMX)**

- Control feeding times

- **Egg Incubators (FM-MIL-GMX)**

- Turn heating elements on and off

- **Water Treatment and Control (FM-MIL-GMX)**

- Irrigation pump control (also FMD Series)
  - Irrigation system filtration
  - Fish hatchery filtration system

- **Equipment Preventive Maintenance and Resale (AC/DC Hour Meters)**

AC/DC Hour Meters provide an accurate record of operating time for your agricultural equipment. Recording operating time helps you maintain a preventive maintenance schedule to keep your equipment in good condition. This avoids costly emergency repairs and downtime in the future.

Agricultural equipment, such as tractors, combines, harvesters, and shredders, are valued based on age, condition and logged hours of operation. For example, a combine with 500 service hours will be worth more than another combine with 2,000 hours. Hour meters provide an accurate account of elapsed operating time. This small investment can make a big difference in increasing resale value of your agricultural equipment.



# Construction

- **Wastewater Pumps (DC Hour Meters)**

DC Hour Meters monitor load usage for dewatering portable pumps by calculating the amount of water (Gallons Per Minute) being pumped.

- **Equipment Preventive Maintenance and Resale (AC/DC Hour Meters)**

AC/DC Hour Meters provide an accurate record of operating time for your construction equipment. Recording operating time helps you maintain a preventive maintenance schedule to keep your equipment in good condition. This avoids costly emergency repairs and downtime in the future.

Construction equipment, such as bulldozers, cranes, trenches and graders, are valued based on age, condition and logged hours of operation. For example, a crane with 500 service hours will be worth more than another crane with 2,000 hours. Hour meters provide an accurate account of elapsed operating time. This small investment can make a big difference in increasing resale value of your construction equipment.

- **Traffic Signal Control (Talent)**

Configure traffic lights/signals/signs to accommodate traffic conditions based on construction times





## Hour Meters



- Available in AC or DC models
- Panel, surface, flush or DIN Rail mount
- Models available in 24-240 VAC



## TalentoPro Series – Electronic Astronomic Timer



- Robust programming options
- Auto-voltage 24-240 VAC, 24 VDC
- DIN Rail mount



## FM1 Series – Mechanical Timer Modules



- Panel mount
- 24-Hour or 7-Day models
- Easy-to-set clock face



## MIL Series – Mechanical Timer Modules



- Panel, Surface, Flush or DIN Rail mount
- 24-Hour or 7-Day models
- Available with 3-way override and/or quartz drive battery backup



## FMD Series – Electronic Timer Modules



- Panel, surface, flush or DIN Rail mount
- 1 or 2 channel models
- 24-Hour or 7-Day models



## GMX Series – General Purpose Time Switch



- Type 1 or Type 3 enclosures available
- Incorporates any electronic or mechanical timer module with panel or DIN Rail mount
- Extra space for other components in enclosure



## DTAV Series – Defrost Timers



- Electronic and mechanical models
- Auto-voltage 120-240 VAC
- LED status indicators
- 40 Amp heavy-duty contacts



# OEM

- **FM-MIL-GMX**

- Pump controls
- Food equipment
- Animal feeders
- Custom control panel builders
- Gate openers
- Dewatering portable pumps
- Enclosures

- **FMD-Talento**

- Custom control panel builders
- Pump controls
- Generators
- Steam generators / boilers
- Injection molding equipment
- Animal feeders
- Gate openers
- Machine part washers
- Wastewater pump panel builders

- **AC Hour Meters**

- Industrial air compressors
- Irrigation pumps
- Custom UL panel builders
- Boilers
- Elevators
- Escalators

- **DC Hour Meters**

- Industrial air compressors
- Dewatering portable pumps

