

# Kraus Global MICON™ 500

The Kraus Global MICON™ 500 electronic register has long been considered the powerhouse in fuel dispensing control. Having developed the first ever electronic register over 30 years ago, our engineers continue to refine the MICON™ 500 with cutting edge technological innovation, delivering an intelligent controller that always exceeds market expectations.

Combining superior performance with versatility, the MICON™ 500 ensures fast and accurate fills every time, making it the preferred choice for multiple dispensing applications with a wide range of fuels.

## FEATURES

- Multiple decimal point configurations
- Hand held Communicator for “at pump” price setting and totals display
- Programmable configuration parameters
- Supports electronic communications with consoles for such functions as remote setting and totalizer reading
- Shaft encoder for meter input with direction sensing and compensation
- Dual channel quadrature pulser inputs
- Pulser and display error detection
- Low battery indicator and automatic shutdown on pulser fault
- 1,000 pulses per second input
- Volume and dollar pulser outputs
- Audit trail event counter
- Built-in-slow-down solenoid control driver for prepay or preset operation
- Battery backup with data display while AC power is off



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global | *dispensing solutions*

## APPLICATIONS:

### OEM

- High speed flow rates for use in commercial pumps
- Automatic Temperature Compensation for a variety of products
- Ability to interface with Tokheim/Gilbarco console systems
- Ability to interface with most card key systems
- Pre-set options available

### LPG

- Automatic Temperature Compensation
- Adjustable multiplication factor for use on various meter types
- Several types of pulsers to correspond with different style meters
- Electronic Calibration set -19.99 to +19.99

### CNG

- Master reset switch contact for authorized access system restarts
- Analog intrinsically safe pressure and temperature transducer input for maximum safety, accuracy and reliability
- Pressure limit switch backup system (optional)
- Includes heat-of-compression system to optimize delivery quantities
- Accommodates 2,400, 3,000 or 3,600 psig (@ 70°F) refueling systems

### Hydrogen

- Configuration available for hydrogen

### Retrofit Applications

- Easily installed to retrofit older pumps that have mechanical registers
- Kraus manufactures mechanical retrofit kits for many other manufacturers' pumps
- Currency rate on the MICON™ 500 is completely adjustable to comply with all currencies
- MICON™ 500 models are approved by: CSA (NRTL), Measurement Canada, NTEP (W&M), ATEX (Europe) and PTB (Germany)

## SPECIFICATIONS

- Standard 110/220 VAC, 50/60 Hz
- Rated for Class I, Division I, Group D hazardous locations
- Intrinsically safe and explosion proof design
- Less than 50 watts power consumption
- Operating temperature range -40°C to +50°C
- Standby battery life greater than 6 months
- Non-resettable value totalizers to 10 digits
- Non-resettable volume totalizers to 10 digits

## Hardware Options

- RS232, RS422, MNET, Modbus, Gilbarco, Tokheim interfaces
- Intrinsically safe back-lit displays with beeper
- Two tier price switch with independent volume and value totalizers for each of the two prices
- Display of uncompensated totals with attached option
- Mechanical volume totalizer backup (optional)
- Customized colors for display face plates
- Remote pulser input
- Customized wire harness lengths
- European models (220 VAC 50/60 Hz) available
- Non-computing register for commercial applications
- Preset Option with digital keypad

