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INFO-PAC

MICON™ 500L PROGRAMMING MANUAL

Software Version 1.0

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TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 KEY FUNCTIONS 1

2.1 Power On 2
2.2 Automatic Shut-Off 2
2.3 Service and Product Support - Canada 2
2.4 Set-Up Modes 3

3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS 4

Table 1 – Default Settings 4

3.1 CONFIG 4
3.2 TEST 4
3.3 PULSER 4
3.4 I.S. 4
3.5 IN COUNT 5
3.6 MULTIPLIER 5
3.7 CURRENCY 6
3.8 VOL DISP 7
3.9 SUPPRESS 7
3.10 CONV. 8
3.11 NO FLOW 8
3.12 VOL PPU 9
3.13 VOL PW 9
3.14 PENNY PW 9
3.15 W/M STANDARD 10
3.16 CLEAR ZEROS 10
3.17 CONSOLE 10
3.18 BAUD 10
3.19 PUMP ID 11
3.20 GRADE 11
3.21 DISPLAY 11
3.22 TIER BUTTON 12
3.23 C. FACTOR 12
3.24 ATC 13
3.25 COMP. TEMP. 13
3.26 PRODUCT 13
3.27 PRC RESTORE 13
3.28 VOL P. QUAD 14
3.29 STOP&START 14
3.30 SLOW FLOW 14
3.31 START KEY 15
3.32 STOP KEY 15
3.33 PRESTART 15
3.34 CUST. PRESET 15
3.35 P. CODE 15
3.36 TRANSMIT 16
3.37 RX MICON 17
3.38 CLEAR TOTALS 18
3.39 TX TOTALS 18
3.40 RX TOTALS 18

IMPORTANT REMINDER

WHENEVER PROGRAMMING WITH THE INFO-PAC, ALL PARAMETERS ARE REWRITTEN IN THE MICON 500L. BEFORE TRANSMITTING SETTINGS FROM THE INFO-PAC TO THE MICON 500L, ELECTRONIC PUMP HEAD, SCROLL CAREFULLY THROUGH ALL OPTIONS DISPLAYED ON THE INFO-PAC, AND ENSURE THAT EACH AND EVERY ONE IS STILL ON THE DESIRED SETTING, EVEN IF YOU HAVE ONLY CHANGED A SINGLE SETTING.

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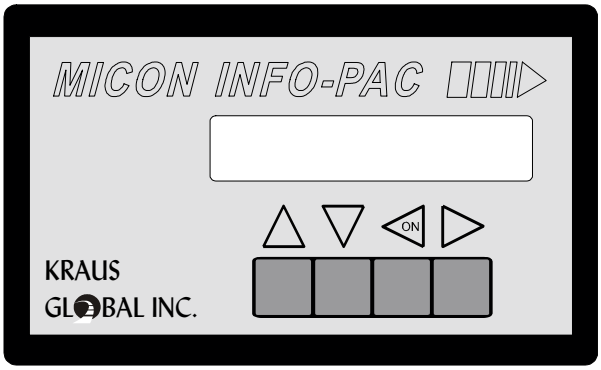
1.0 INTRODUCTION

The MICON MIP500L INFO-PAC is a hand-held self-contained battery powered unit designed to monitor and program MICON electronic pumpheads. **INFO-PAC model MIP500L is designed to configure MICON 500/550L pump computer heads used to control liquid fuel flow from gasoline, diesel, propane or butane dispensers.**

The INFO-PAC is a *transmitter* and *receiver*. Programmable pumphead features can be set up in the INFO-PAC memory, then transmitted to MICON heads. The INFO-PAC also receives and displays features already programmed to MICON pumpheads.

Setting configuration features in the MICON using the INFO-PAC requires breaking of two *Weights & Measures* seals on the MICON cover and the programming wire screw. See section(s) 3.36 and 3.37.

2.0 KEY FUNCTIONS



MICON MIP500L
Info-Pac

△	This key is used to scroll upwards through the menu options.
▽	This key is used to scroll downwards through the menu options.
◁ ON	This key is used to turn the INFO-PAC **ON**, and to scroll forward through the data items associated with each menu option.
▷	This key is used to scroll backward through the data items associated with each menu option.

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2.1 POWER ON

The INFO-PAC is powered by a 9 volt battery.

1. Press

key to power unit **ON**. LCD momentarily displays INFO-PAC model and Software version number:

   M500L V 1.0

2. The display changes to show one of the following:

   CONFIG default

   CONFIG custom

2.2 AUTOMATIC SHUT-OFF

- INFO-PAC automatically shuts OFF after 30 seconds without keyboard activity.
- INFO-PAC shuts OFF automatically after 10 minutes when *TRANSMIT, TX TOTALS, RX TOTALS or RX MICON* is set to “on”.

2.3 SERVICE AND PRODUCT SUPPORT - CANADA

Should you experience any difficulties in system operation, customer assistance is available.

The procedure to receive such assistance is as follows:

1. Document the following information:

- system dysfunction
- corrective measures taken
- system model number
- system serial number
- purchase order information
- date of installation
- equipment location (i.e., city, address, etc.)

2. Call or Fax our Product Service line at:

Company Service Number:

1-204-663-3893

Company Fax Number:

1-204-663-7112

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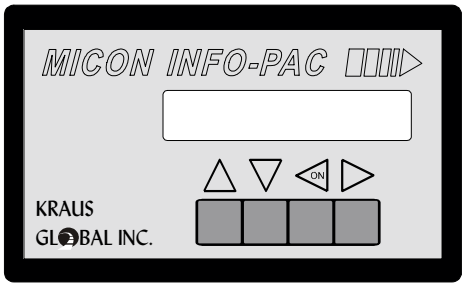
2.4 SET-UP MODES

Scrolling through each menu option should reveal settings as shown. Pictured to the right of each menu option below are **factory default data items**.



POWER ON

M500L V 1.0

1. CONFIG default
2. TEST off
3. PULSER .i.s
4. .I.S 1000
5. IN COUNT 1000
6. MULTIPLIER 1
7. CURRENCY dollars
8. VOL DISP 1.000
9. SUPPRESS 0.030
10. CONV. off
11. NO FLOW off
12. VOL PPU 10
13. VOL PW 4.0ms
14. PENNY PW 4.0MS
15. W/M STANDARD na
16. CLEAR ZEROS off
17. CONSOLE kraus
18. BAUD 9600
19. PUMP ID. not set
20. GRADE 1
21. DISPLAY normal
22. TIER BUTTON off
23. C.FACTOR +00.00%
24. ATC on
25. COMP. TEMP 15ºC
26. PRODUCT gas
27. PRC RESTORE on
28. VOL P. QUAD off
29. STOP&START disab
30. SLOW FLOW 0.600
31. START KEY disab
32. STOP KEY disab
33. PRESTART off
34. CUST. PRESET off
35. P. CODE 0000
36. TRANSMIT off
37. RX MICON off
38. CLEAR TOTALS off
39. TX TOTALS off
40. RX TOTALS off

Menu options repeat

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.1 CONFIG

Used to set all menu options to default values.

CONFIG default
Indicates MICON 500L menu options is at its default values.

CONFIG custom
Indicates MICON 500L menu options have been modified from default values. Pressing either the ◁ or ▷ keys will return options to default settings.

TABLE 1 - DEFAULT SETTINGS

OPTION	DEFAULT SETTINGS
1. CONFIG	default
2. TEST	off
3. PULSER	.i.s.
4. .I.S	1000
5. IN COUNT	1000
6. MULTIPLIER	1
7. CURRENCY	dollars
8. VOL DISP	1.000
9. SUPPRESS	0.030
10. CONV.	off
11. NO FLOW	off
12. VOL PPU	10
13. VOL PW	4.0ms
14. PENNY PW	4.0ms
15. W/M STANDARD	na
16. CLEAR ZEROS	off
17. CONSOLE	kraus
18. BAUD	9600
19. PUMP I.D.	not set
20. GRADE	1
21. DISPLAY	normal
22. TIER BUTTON	off
23. C. FACTOR	+00.00%
24. ATC	on
25. COMP. TEMP.	15°C
26. PRODUCT	gas
27. PRC RESTORE	on
28. VOL P. QUAD	off
29. STOP&START	disab
30. SLOW FLOW	0.600
31. START KEY	disab
32. STOP KEY	disab
33. PRESTART	off
34. CUST. PRESET	off
35. P. CODE	0000
36. TRANSMIT	off
37. RX MICON	off
38. CLEAR TOTALS	off
39. TX TOTALS	off
40. RX TOTALS	off

3.2 TEST

Used to put MICON 500L into continuous display test mode.

TEST off (default)
Indicates Micon 500L should be in standard operating mode. Pressing either the ◁ or ▷ key will turn TEST mode ON.

TEST on
Indicates MICON 500L should continuously run through display test mode until INFO-PAC is used to turn OFF test mode on the MICON. Pressing either the ◁ or ▷ key turns TEST mode OFF.

3.3 PULSER

Used to select pulser input source.

PULSER .i.s. (default)
Indicates pulser input is through the I.S. circuit external wiring.

PULSER conduit
Indicates pulser input is through conduit wiring.

3.4 .I.S.

In the Intrinsically Safe (.I.S.) pulse input mode, two different pulser types can be used.

.I.S. 1000
Indicates the pulser has 62.5, 125, 250, 500, 1000, etc. pulses per revolution.

.I.S. 1024
Indicates the pulser has 64, 128, 256, 512, 1024, etc. pulses per revolution.

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.5 IN COUNT

Works in conjunction with MULTIPLIER settings to indicate number of pulser edges which must be counted to register 1 unit volume of fuel flow.

Refers to number of edges that must be received on the two incoming pulser lines (F1 and F2) to register 1 unit of fuel flow. Indicates number of quadrature (input pulser) transitions per unit volume. This value is equal to 4 times the number of pulses on an individual pulser line.

Values for this option can be scrolled through using the ◁ or ▷ keys. Values are:

IN COUNT 1000 (default)
IN COUNT 100
IN COUNT 10
IN COUNT 1

3.6 MULTIPLIER

Works in conjunction with IN COUNT settings to indicate volume of fuel flow equal to 1 unit

Values for this option can be scrolled through using the ◁ (ON) or ▷ keys. Values are:

MULTIPLIER 1 (default)
MULTIPLIER 2
MULTIPLIER 4
MULTIPLIER 0.5
MULTIPLIER 0.25

EXAMPLE 1

IN COUNT 1000	**MULTIPLIER 1 = 1000 PULSER EDGES / 1 UNIT OF FUEL FLOW = 1000 EDGES / UNIT .001 REGISTERS ON MICON 500L DISPLAY (PER EDGE)**
IN COUNT 1000	MULTIPLIER 2 = 1000 PULSER EDGES / 2 UNITS FUEL FLOW = 500 EDGES / UNIT .002 REGISTERS ON MICON 500L DISPLAY (PER EDGE)
IN COUNT 1000	MULTIPLIER 4 = 1000 PULSER EDGES / 4 UNITS FUEL FLOW = 250 EDGES / UNIT .004 REGISTERS ON MICON 500L DISPLAY (PER EDGE)
IN COUNT 1000	MULTIPLIER 0.5 = 1000 PULSER EDGES / 0.5 UNITS FUEL FLOW = 2000 EDGES / UNIT .0005 REGISTERS ON MICON 500L DISPLAY (PER EDGE)
IN COUNT 1000	MULTIPLIER 0.25 = 1000 PULSER EDGES / 0.25 UNITS FUEL FLOW = 4000 EDGES / UNIT .00025 REGISTERS ON MICON 500L DISPLAY (PER EDGE)

EXAMPLE 2

IN COUNT 100	MULTIPLIER 1 = 100 PULSER EDGES / 1 UNIT FUEL FLOW = 100 EDGES / UNIT .01 REGISTERS ON MICON 500L DISPLAY (PER EDGE)
IN COUNT 100	MULTIPLIER 2 = 100 PULSER EDGES / 2 UNITS FUEL FLOW = 50 EDGES / UNIT .02 REGISTERS ON MICON 500L DISPLAY (PER EDGE)

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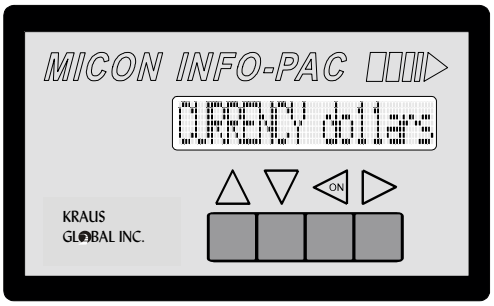
3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS



3.7 CURRENCY

Used to select:

- Type of currency sales are registered in;
- Number of decimal positions in money and price fields;
- Character displayed before total money sales in totalizer display.

CURRENCY dollars (default)
This setting uses 2 decimal positions in the money display field, 3 decimal positions in the price field and d in the totalizer display.

CURRENCY 0m,1p
This setting uses 0 decimal positions in the money display field, 1 decimal position in the price field and d in the totalizer display.

CURRENCY 2 dp
This setting uses 2 decimal positions in the money display field, 2 decimal positions in the price field and d in the totalizer display.

CURRENCY 1 dp
This setting uses 1 decimal position in the money display field, 1 decimal position in the price field and d in the totalizer display.

CURRENCY no dp
This setting uses 0 decimal positions in the money display field, 0 decimal positions in the price field and d in the totalizer display.

CURRENCY 1m,3p
This setting uses 1 decimal position in the money display field, 3 decimal positions in the price field and d in the totalizer display.

CURRENCY 0m,2p
This setting uses 0 decimal positions in the money display field, 2 decimal positions in the price field and d in the totalizer display.

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.7 CURRENCY (cont'd)

CURRENCY 2m,1p
This setting uses 2 decimal positions in the money display field, 1 decimal position in the price field and d in the totalizer display.

CURRENCY 3m,1p
This setting uses 3 decimal positions in the money display field, 1 decimal position in the price field and d in the totalizer display.

3.8 VOL DISP

The value of this option determines the number of decimal positions to be displayed in the volume unit field of the MICON 500L. The MICON 500L cannot be set to display a more precise reading than the incoming pulses will allow, and cannot be set to display less precisely than to the nearest unit. Values are:

VOL DISP 1.000 (default)
VOL DISP 1.00
VOL DISP 1.0
VOL DISP 1 (only available if IN COUNT setting is less than 1000)

3.9 SUPPRESS

This option determines whether or not unit suppression is used, and type of unit suppression used. Values are:

SUPPRESS 0.030 (default)
For the first 0.029 units of liquid fuel dispensed, MICON 500L sale register display shows ZERO. For 0.030 units and over, the sale amounts are displayed.

SUPPRESS 0.009
For the first 0.008 units of liquid fuel dispensed, MICON 500L sale register display shows ZERO. For 0.009 units and over, the sale amounts are displayed. (This is the maximum suppression allowed for sales registered in U.S. gallons.)

SUPPRESS 0.000
MICON 500L sale register display shows the sale amount. Suppression is turned OFF.

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.10 CONV.

This option converts volume units dispensed to volume display units. For example, for fuel dispensed in *U.S. gallons*, the MICON 500L can convert the volume measurement displayed on the register to *litres*, using the INFO-PAC CONV. US gal-l setting.

Table 2 Conversion Settings

INFO-PAC Option	Fuel Dispensing Units	MICON 500L/550L Register Volume Display Units	Multiplication Factors Used for Conversion
CONV. OFF (default)	N/A	Volume dispensed not converted to litres.	N/A
CONV. us gal-l	U.S. gallons	litres (metric)	U.S. gallons multiplied by $3\ ^{51472}/_{65536}$ = litres
CONV. imp gal-l	Imperial gallons	litres (metric)	Imperial gallons multiplied by $4\ ^{35789}/_{65536}$ = litres
CONV. l-us gal	litres (metric)	U.S. gallons	Litres multiplied by $^{17314}/_{65536}$ = U.S. gallons

3.11 NO FLOW

This option controls length of time MICON 500L keeps motor and solenoid valve ON if a sale is in progress but there is no product flow being registered. Anytime during the sale (before flow starts or after flow starts), when there has been no fuel flow for the “NO FLOW” timer interval the motor and valves will be shut OFF and the sale terminated.

No flow timer interval can be set from 15 seconds to 4 minutes, 15 seconds; in 15 second increments. (Previous model(s) permitted maximum timer value of 2 minutes.)

TABLE 3 – NO FLOW SETTINGS

INFO-PAC SETTING	RESULT
NO FLOW off	MICON 500L will not shut down on a NO FLOW condition.

INFO-PAC SETTING	
15 seconds	*Before flow starts OR after flow starts:* *Pump and valves shut OFF and sale is terminated **after NO FUEL FLOW occurs for the number of seconds on the INFO-PAC setting.*** ⇦
30 seconds	
45 seconds	
60 seconds	
75 seconds	
90 seconds	
105 seconds	
120 seconds	
135 seconds	
150 seconds	
165 seconds	
180 seconds	
195 seconds	
210 seconds	
225 seconds	
240 seconds	
255 seconds	

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.12 VOL PPU

This option defines the number of output pulses per unit (PPU) transmitted on the Volume Out Pulse line of the MICON 500L.

This value cannot be more than IN COUNT value set for the MICON 500L.

A PPU less than 1 is not permitted by INFO-PAC. Values are:

VOL PPU 1
VOL PPU 10 (default)
VOL PPU 50
VOL PPU 100
VOL PPU 1000

3.13 VOL PW

This option sets the width of the Volume Pulse signal. This width is defined as the "on time" length of the pulse. Setting should be compatible with equipment used. Pulse width values are:

VOL PW 0.5ms
VOL PW 1.0ms
VOL PW 2.0ms
VOL PW 4.0ms (default)
VOL PW 17.0ms
VOL PW 19.0ms
VOL PW 26.0ms
VOL PW 150.0ms

3.14 PENNY PW

This option sets the width of the Penny Pulse signal. This width is defined as the "on time" length of the pulse. Setting should be compatible with equipment used. Pulse width values are:

PENNY PW 0.5ms
PENNY PW 1.0ms
PENNY PW 2.0ms
PENNY PW 4.0ms (default)
PENNY PW 17.0ms
PENNY PW 19.0ms
PENNY PW 26.0ms

Choose to have either:

- Penny pulser and volume pulser OR
- 2 channel volume pulser and no penny pulser.

Note: Setting VOL P. QUAD ON **disables penny pulser output**, since this line is used as second line of volume pulser. (Volume out pulser becomes a two channel quadrature pulser output, disabling the penny pulser option.)

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.15 W/M STANDARD

This option sets up the allowable pulser errors to meet the na (North American) or eu (European) standards. Settings are:

W/M STANDARD na (default)
W/M STANDARD eu

3.16 CLEAR ZEROS

This option sets the MICON 500L register to display or suppress leading zeros on the current sale display. Settings are:

CLEAR ZEROS off (default)
Displays leading zeros in current sale display.

CLEAR ZEROS on
Suppresses leading zeros in current sale display.

3.17 CONSOLE

This option setting has no effect on the MICON 500L. When the "RX MICON" option is used, this option will show which communications protocol is used on the serial communications lines from the MICON 500L to the console.

Compatible hardware interface boards, available as optional features of the MICON 500L, must be installed. Communication protocols are:

CONSOLE kraus (default)
MCIU's (MICON communication interface units) manufactured by *Kraus*.

CONSOLE gilbarco
Consoles manufactured by *Gilbarco*.

CONSOLE tokheim
Consoles manufactured by *Tokheim*.

CONSOLE tatsuno
Consoles manufactured by *Leif Dige*.

CONSOLE Wayne Dresser
Consoles manufactured by *Wayne Dresser*

3.18 BAUD

This option is used to select the Baud rate.

BAUD 9600
BAUD RATE 9,600 bits/second
BAUD 19200
BAUD RATE 19,200 bits/second

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.19 PUMP ID.

This option sets the pump address used during serial data channel communications.

Do not set pump address if MICON 500L pump head is using **Kraus** MNET communications in conjunction with a MCIU or equivalent interface box. In this setup, pump address is set dynamically by the interface box. Values are:

PUMP ID. not set (default)
PUMP ID. 01
PUMP ID. 02
PUMP ID. 03

PUMP ID. 24

3.20 GRADE

Functions for this option vary, depending on which type of console interface (i.e., Kraus, Gilbarco, Tokheim, Tatsuno) is used. Values are:

GRADE 1 (default)
GRADE 2
GRADE 3

For the **Kraus (MNET)** interface, setting GRADE to 2 disables the MICON 500L's "override console sales data collection" feature, when the MICON 500L is authorized manually. Thus, if the console stops working, the operator can flip the switch controlling the console to manual override.

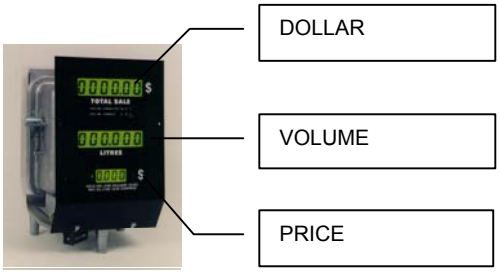
For the **Tokheim** interface, setting GRADE to 1 will transmit volume information to the console exactly as it is displayed. Setting GRADE to 2 will transmit volume information in the format '999.999', regardless of the displayed format.

Gilbarco pumps have the capability of setting grades (e.g., regular or unleaded fuel) at the pump.

3.21 DISPLAY

This option sets the way the current sale amount display on the MICON 500L is to be interpreted.

DISPLAY normal (default)
Use this setting for computing registers.



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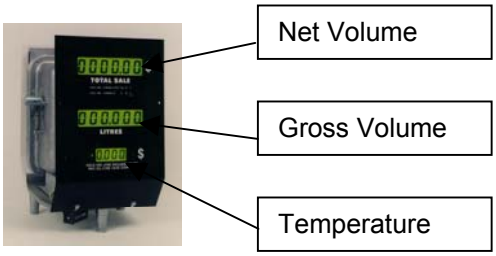
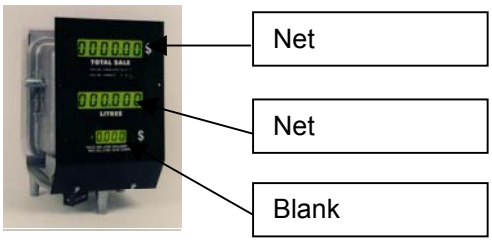
3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.21 DISPLAY (cont'd)

DISPLAY bulk
Display shows net volume – gross volume – temperature. Use this setting when both *temperature compensated* and *uncompensated* volumes are desired.



DISPLAY non-comp
Display shows volume – volume – blank. Use this setting for non-computing dispenser(s).
Faceplate may cover one of the volume displays.



3.22 TIER BUTTON

This option determines if a two-tier button is being used.

TIER BUTTON on
Two prices are allowed to be set on the MICON and a preset keypad cannot be used.

TIER BUTTON off
Only one price can be set on the MICON.
This is required when a keypad is connected.

3.23 C. FACTOR

This setting sets electronic calibration factor used to correct errors in the meter's registering. This calibration factor can be set from -19.99% to +19.99%. Use ▷ to scroll to each digit position. Use ◁ to change value of each digit.

C.FACTOR -19.99%
C.FACTOR +00.00% (default)
C.FACTOR +19.99%

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.24 ATC

This setting enables/disables Automatic Temperature Compensation.

ATC on (default)
ATC off

3.25 COMP. TEMP

This setting sets the temperature to which the ATC feature compensate the fuel volume. If 60ºF is used, the ATC inspection mode temperature will be in Fahrenheit instead of the default Celsius.

COMP. TEMP. 15ºC (default)
COMP. TEMP. 60ºF
COMP. TEMP. 20ºC

3.26 PRODUCT

This setting is used to set the fuel type used for the ATC function. Each fuel type is associated with a density (see Table 4, below).

TABLE 4 – PRODUCT SELECTIONS

INFO-PAC SETTINGS	FUEL DENSITIES	VCF TABLE REFERENCE
PRODUCT gas (default)	730 kg/m^3	API 54B
PRODUCT diesel	840 kg/m^3	API 54B
PRODUCT propane	510 kg/m^3	ASTM-IP 54
PRODUCT butane	580 kg/m^3	ASTM-IP 54
PRODUCT av gas (aviation gas)	710 kg/m^3	API 54B
PRODUCT jet a (jet kerosene, turbine fuel)	800 kg/m^3	API 54B
PRODUCT jet b (naptha)	760 kg/m^3	API 54A

3.27 PRC RESTORE

This option is used when two-tier pricing is in effect.

For example, a consumer who is a cardholder may receive a discount from regular sale price of liquid fuel. If PRC RESTORE is set ON, MICON 500L register reverts to regular sale price (tier 1) when dispenser handle returned to OFF position. Values are:

PRC RESTORE on (default)
Price returns to the tier 1 price when the handle is returned to OFF position.

PRC RESTORE off
Price used for current sale is retained for next sale, unless explicitly changed by the user.

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS (cont'd)

3.28 Vol. P. Quad

VOL P. QUAD off (default)
Volume out pulser is single channel, with penny pulser option.

VOL P. QUAD on
Volume out pulser becomes a two channel quadrature pulser output, disabling the penny pulser option.

3.29 STOP & START

This setting enables/disables the START and STOP option.

START & STOP disab (default)
This setting does not allow the MICON to continue a sale after console authorization is disabled and enabled again.

START & STOP enab
This setting allows the MICON to continue a sale after console authorization is disabled and enabled again.

3.30 SLOW FLOW

For PRESET SALES this option sets when the fast flow valve is closed so that only the slow flow valve is used. This option is set as the # OF VOLUME UNITS BEFORE THE PRESET AMOUNT IS REACHED. Use ▷ to scroll to each digit position. Use ◁ON to change the value of each digit.

Example:

If PRESET set to 30 litres, and SLOW FLOW set to 1 litre: Fast flow valve closes at 29 litres. Last (30th) litre flows slowly.

Note: If the VOL DISP option is changed, the SLOW FLOW option must also be adjusted, since the decimal point will be shifted.

IMPORTANT REMINDER

SLOW FLOW settings:

SLOW FLOW 0.000

SLOW FLOW 0.600 (default)

SLOW FLOW 9.999

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.31 START KEY

The START KEY is reserved for future expansion. This option should remain set at:

START KEY disab (default)

3.32 STOP KEY

The STOP KEY is reserved for future expansion. This option should remain set at:

STOP KEY disab (default)

3.33 PRESTART

PRESTART on (default)
The motor will turn on as soon as the pump handle is turned on. The reset cycle is extended to a total of 5 seconds. After the reset cycle, the solenoid will turn on and pulse counting will be enabled. The Micon will ignore pulses during the reset cycle to ensure meter movement and resulting pulses at start up will not be registered or displayed. This feature is used with submersible systems with leak detectors and in propane systems where vapour can be a problem.

PRESTART off
The motor will not turn on until after the reset cycle.

3.34 CUST. PRESET

Reserved for custom setting. This option should remain set at:

CUST. PRESET off (default)

3.35 P.CODE

This option requires users responsible for setting fuel prices on the MICON 500L/550L to use a security code. User(s) may pick any 4 digit number as a personal identification code, to provide access to price changing.

P. CODE 0000 (default)

P. CODE 9999

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.36 TRANSMIT

This menu option is used to transmit the INFO-PAC settings to the MICON 500L/550L unit.

To transmit information to the MICON 500L/550L:

1. *MICON 500L*: Switch OFF the head power, by removing cover of explosion-proof MICON 500L housing and removing fuse. The MICON 500L display should be flashing. This requires breaking of a *Weights and Measures* seal on the cover, and removal of bolts. Flip switch inside MICON 500L to enable programming mode.
   MICON 550L: Disconnect the program seal wire. Leave the AC power ON.

> If it is not convenient to remove MICON 500L cover, there is an alternative method of shutting OFF head power, and permitting **1-time programming only**:
>
> 1. Go to breaker box and turn power OFF. **Caution: Ensure breaker box does not feed power to equipment which should remain ON.**
> 2. Remove cotter pin from handle shaft on the MICON 500L, and turn handle shaft DOWN to battery OFF position. This requires breaking of a *Weights and Measures* seal through the handle shaft, behind the cotter pin. Leave battery OFF for 30 seconds for a completely "cold start".

2. Scroll to INFO-PAC TRANSMIT option. Set **TRANSMIT on**.

ATTENTION

Before transmitting settings from the INFO-PAC to the MICON 500L/550L electronic pump head, scroll carefully through all options displayed on the INFO-PAC, and ensure that each and every one is still on the desired setting, even if you have changed only a single setting.
Whenever programming with the INFO-PAC, ALL parameters are rewritten in the MICON 500L/550L.

3. Locate optical sensor (oval hole) at right of price display on MICON 500L/550L.

4. Aim INFO-PAC transmitter/receiver (located in center behind red tinted filter on edge of INFO-PAC) at MICON 500L/550L optical sensor.

   Red LED to left of MICON 500L/550L price display flashes as MICON receives data from INFO-PAC.

5. When MICON 500L/550L has correctly received setup information, will show on the MICON 500L price display.
   will show on the MICON 550L price display.

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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.36 TRANSMIT (cont'd)

6. Exit programming mode by flipping switch inside MICON 500L to DOWN (Normal position). Reconnect the program seal wire.

This step is unnecessary if program mode was entered using alternative method in Step 1 (preceding page).

7. Switch the head power back ON and run the MICON 500L using the new settings.

8. Replace the cover of the explosion-proof MICON 500L housing and:

   a) Install a suitable legal seal through the two adjacent drilled cover bolts to ensure the cover cannot be removed without breaking the seal.

   b) Install a suitable legal handle seal through the handle shaft, behind the cotter pin, so that the handle coupler cannot be removed from the handle shaft.
   On the MICON 550L, install seal wire through the 2 cover bolts and the program seal wire screw.

3.37 RX MICON

This menu option is used for INFO-PAC to receive MICON 500L/550L settings from units which have already been programmed.

To receive information from the MICON 500L/550L:

(STEP 1. applies *only* to the MICON 500L.)

1. Go to breaker box and turn power OFF. **Caution: Ensure breaker box does not feed power to equipment which should remain ON.**

   Alternative: Switch OFF the head power to the MICON 500L, by removing cover of explosion-proof MICON 500L housing and removing fuse. This requires breaking of a *Weights and Measures* seal on the cover, and removal of bolts.

   The MICON 500L display should be flashing.

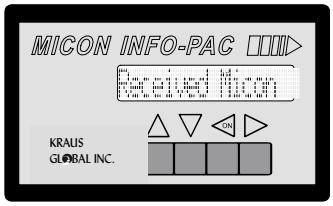
2. Scroll to INFO-PAC RX MICON option. Set **RX MICON on**.

3. Locate optical sensor (oval hole ⬭) at right of price display on MICON 500L/550L.

4. Aim INFO-PAC transmitter (located behind red tinted filter at the centre edge of INFO-PAC) at MICON 500L/550L optical sensor.

   Red LED to left of MICON 500L/550L price display flashes as INFO-PAC receives data from MICON 500L/550L.

3. When INFO-PAC has received a copy of the MICON 500L/550L setup information correctly, INFO-PAC display will show "Received Micon".



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3.0 DESCRIPTION OF PROGRAMMABLE MENU OPTIONS

3.38 CLEAR TOTALS

This setting clears the total memory stored in the INFO-PAC

CLEAR TOTALS off (default)
The totals are retained in the INFO-PAC

CLEAR TOTALS on
When this setting is used, the totals in INFO-PAC memory will be erased.
In order to clear totals in the MICON head, set CLEAR TOTALS to “on”. This sets the totals in the INFO-PAC to zero. The zero totals can be transmitted to the MICON head using the TX TOTALS function.

3.39 TX TOTALS

TX TOTALS off (default)
The INFO-PAC is not transmitting totals

TX TOTALS on
There are two situations where the TX TOTAL function is used:

1) Clearing totals of the MICON head to zero
2) Transmitting previously stored totals

3.40 RX TOTALS

RX TOTALS off (default)
The INFO-PAC is not receiving totals

RX TOTALS on
This setting receives totals from the MICON head.

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