

7 CUSTOMIZING TIM-900

Customizing TIM-900 means using the options offered by TIM-900 to guarantee an easy, handy and accurate use. METER customization can be carried out by the Manager using the Customization Menu which gives access to the following customization options.

7.1 CUSTOMIZING MENU

To access the various customizing functions and select the desired options, two different actions are possible on the keys: This symbol indicates the necessity to press the key briefly with consequent release.

To exit the customization menu, independently from the activity in progress, press RESET. The currently displayed settings become immediately operational.

If TIM-900 displays the Resettable TOTAL, wait for a few seconds until TIM-900 automatically displays the TOTAL.

Only in this condition it is possible to enter the customization Menu. Simultaneously press AUTO and RESET keys and keep them pressed until TIM-900 displays:



You have now entered the following activity: Setting the most frequently used PRESET values. See paragraph 7.2 for setting modes.

Selecting the Unit of Measurement. To access the subsequent activity. Press and keep the AUTO key pressed until TIM-900 displays:

You have now entered the following activity: Selecting the Unit of Measurement. See paragraph 7.3 for setting modes.

Selecting the Number of Decimal Digits. To access the subsequent activity. Press and keep the AUTO key pressed until TIM-900 displays:

You have now entered the following activity: Activating the Auto RESET function. See paragraph 7.5 for activation mode.

Modifying the Precision Stop Factor (PS factor). See paragraph 7.6 for modification mode.

Modifying the Calibration Factor (K factor). See paragraph 7.7 for modification mode.

To exit the customization mode, independently from the activity in progress, press RESET. The currently displayed settings become immediately operational.

7.2 FREQUENTLY USED PRESET VALUES

TIM-900 allows the operator to store 5 different most frequently used PRESET values (AUTO1 ... AUTO5) which can be quickly recalled without having to set them each time by means of the numeric keys.

7.3 UNIT OF MEASUREMENT

TIM-900 allows the user to select one of the following Units of Measurement: QTS - QUARTS, PTS - PINTS, LIT - LITERS, GAL - GALLONS (U.S. Gallon).

7.4 DECIMAL DIGITS

TIM-900 allows the user to select the number of Decimal Digits by displaying the HUNDRETH (two decimal digits) or the THOUSANDTH (three decimal digits) of the selected Unit.

7.5 AUTO RESET

TIM-900 is equipped with an Auto RESET function. When the function is activated, a few minutes after the end of a dispensing operation, TIM-900 automatically resets the Batch Total.

7.5 AUTO RESET

TIM-900 displays: Blinking value AUTO1. Use the numeric keys to set a new PRESET value (which will replace the value previously stored in memory).

7.6 STOP PRECISION IN AUTO MODE

The function described in this paragraph only concerns those operators who want to obtain the maximum dispensing stop precision in AUTO mode.

TIM-900, in AUTO mode, allows the user to obtain a high precision stop, thus dispensing exactly the preset amount without exceeding the PRESET value.

The higher the flow rate, the higher the selected PS value must be. Selecting a too high PS value, the dispensed amount may be lower than the preset value by some hundredths of a litre.

When TIM-900 displays: Blinking PS-0. Press AUTO to increase the PS Factor by one unit.

Keep on pressing AUTO until the desired PS factor value is displayed.

Press AUTO to go to the next Unit of Measurement. Keep on pressing AUTO until the desired Unit of Measurement is displayed.

Press AUTO to keep it pressed to access the next activity.

Press RESET to exit the customization menu.

The modification of the unit of measurement does NOT require a new Calibration (see paragraph 7.7).

If the TOTAL indicates a value other than zero, this value is automatically converted from LITERS into GALLONS or viceversa, if necessary, when the Unit of Measurement is being modified.

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Press AUTO to modify the selection.

Press AUTO again to return to the previous selection.

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7.7 CALIBRATING

TIM-900 is equipped with a liter-counter high precision oval gears, factory pre-calibrated.

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TIM-900 is ready to accept the direct modification of the K Factor. Press the "0" key to increase the indicated value.

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8 MAINTENANCE OF TIM-900

The only routine maintenance operations required by TIM-900 are: battery replacement, filter cleaning.

8.1 BATTERY REPLACEMENT

TIM-900 continuously controls the battery charging state. As soon as the charge decreases below a given level, TIM-900 displays:

To obtain a correct METER calibration, it is necessary to use an accurate sample container having a capacity not less than 5 liters.

After dispensing, wait for a few minutes to allow any possible air bubble to be led from the sample container.

Each time a key is pressed, the last digit on the right is modified by one unit.

By keeping the keys pressed, the value changes, slowly at first and then rapidly.

Press AUTO to confirm the end of the indicated value correction.

Press the "0" key to decrease the indicated value.

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By keeping the keys pressed, the value changes, slowly at first and then rapidly.

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Press the "0" key to decrease the indicated value.

Each time a key is pressed, the last digit on the right is modified by one unit.

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8.2 CLEANING THE FILTER

TIM-900 is equipped with a removable filter for inspection and cleaning, installed inside the swivel.

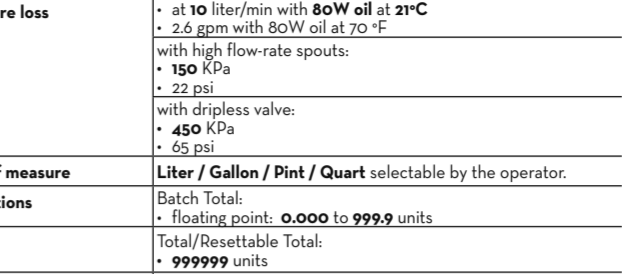
9 PRODUCT IDENTIFICATION

Some technical data of TIM-900, which is essential for its safe use, is indicated on the CE plate located on the right side of the handle.

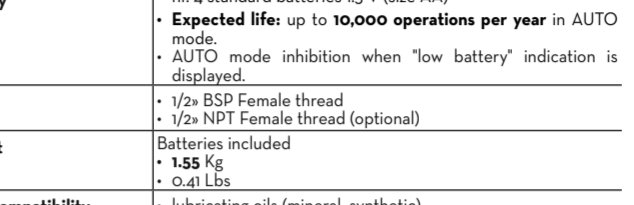
10 CONSTRUCTION DATA

Table with 2 columns: Measuring principle, Flow range, Pressure range, Temperature range, Viscosity range, Accuracy, Repeatability. Lists technical specifications for the device.

10.2 DIMENSIONS



10.3 SPARE PARTS EXPLODED VIEW

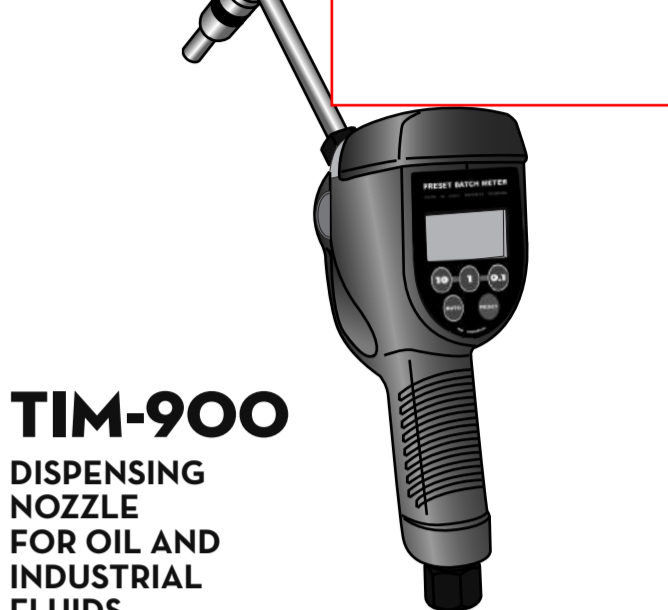


10.4 TROUBLESHOOTING

Table with 3 columns: PROBLEM, POSSIBLE CAUSE, CORRECTIVE ACTION. Lists common issues and their solutions.

AMERICAN LUBRICATION EQUIPMENT CORPORATION

TIM-900B-1, TIM-900B-LN (aka M0095 C)



TIM-900 DISPENSING NOZZLE FOR OIL AND INDUSTRIAL FLUIDS

EN INSTALLATION USE AND MAINTENANCE

BULLETIN M0095C_EN_01

Table with 3 columns: Issue, Description, Solution. Lists various operational issues and their corresponding solutions.

11 DISPOSAL

In case the system should be demolished, its parts must be given to companies specialised in industrial waste disposal and recycling.

Disposal of Packaging: Packaging consists of biodegradable cardboard that can be given to firms charged with cellulose recovery.

Disposal of electrical and electronic components: These have to be disposed by companies that are specialised in the disposal of electronic components.

Disposal of Other parts: The disposal of other parts such as pipes, rubber seals, plastic components and cables should be entrusted to companies specialised in the disposal of industrial wastes.

