LITRONIX, INC. P.O. Box 6000 Oupertino, CA. 94.014



.

# LITRONIX 1101P

Thank you for purchasing the Litronix 1101P personal calculator. The Litronix 1101P is made by the people who make the insides of many of the world's electronic hand calculators and digital watches. In fact, we supply 20% of the laboratorygrown (LED) crystals that light the numbers. We also design and supply the circuits that tie everything together. Because of this world wide technological and manufacturing leadership, the Litronix 1101P is a personal calculator that combines top quality and good value to serve you.

## TABLE OF CONTENTS

Features			1
Operating Instructions	••		2
Keys			
Display			
Battery Hints	•••	·	4
Battery Installation			
Battery Life			
Optional AC Adapter Operation			F
Operation Examples			5
Calculation Examples			8
Litronix Guarantee			
Guarantee Registration	•••	•	1/

- Eight Digit Display—Solid-state light emitting diode display produces bright, long lasting presentation of numerical entries.
- Full Floating Decimal—Calculator automatically positions decimal point to maintain full 8 digit accuracy.
- Arithmetic Logic—Allows entry sequence to follow adding machine mode. This is the mathematical method of problem solving.
- Percent Key—Provides for percentage add-on, discount, markup and yield calculations.
- Overflow Indicator—Display indicator notes when calculation exceeds 8-digit capacity.
- Chain Calculations—Allows for the completion of a series of calculations without having to write down intermediate answers.
- Rugged Construction—Bright 8-digit, solid state light emitting diode display, integrated circuitry, and complete solid state dependability.
- Throw Away Batteries—This calculator uses three AA penlight batteries for up to 8 hours of continuous operation. Up to 16 hours of continuous operation can be expected when Alkaline Batteries are used.
- Optional A.C. Adapter—This unit is available for use as an option. The internal batteries are automatically disconnected to conserve battery life when the A.C. Adapter is in use.

### **OPERATING INSTRUCTIONS**

### **ON/OFF SWITCH**

- ON Switch in up position turns power on. When OFF power is turned on, the calculator is cleared and ready for operation. To save batteries, always return to OFF position when not in use.
- **KEYS** Clears the calculator and returns the display - C to 0.

Clears the display or last entry, but not previ-CE ously entered numbers or operations.

- 0 9 Enters respective numbers into the display.
- Enters decimal point. •

+ =

Directs calculator to multiply the display by the following number and display intermediate results in a chain multiplication. To multiply a negative number, press  $\blacksquare$  then  $\blacksquare$  to enter the negative number.

Directs calculator to divide the display by the following number and display intermediate results in a chain division. To divide a negative number, press -= then - to enter the negative number.

Directs calculator to add the display to a previous number when used in addition operations. Successive depressions of this key without entering a new number will add the last entry to the display each time. In mul-tiplication or division operations, this key completes the operation.

2

Directs calculator to subtract the display from a previous number when used in subtraction operations. Successive depressions of this key without entering a new number will subtract the last entry from the display each time. In multiplication or division operations, this key completes the multiplication or division by a negative number.

%

—<sup>~</sup>=

Performs percentage calculations in conjunction with multiplication and division operations. The original figure is saved to obtain an add-on by using += or a discount by using 

### DISPLAY

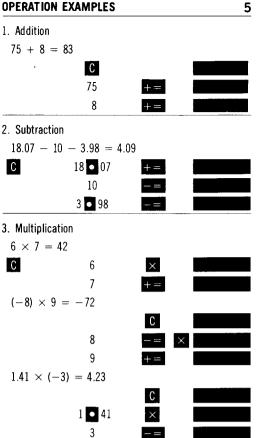
4 Minus Sign-Appears to left of display to indicate negative number.

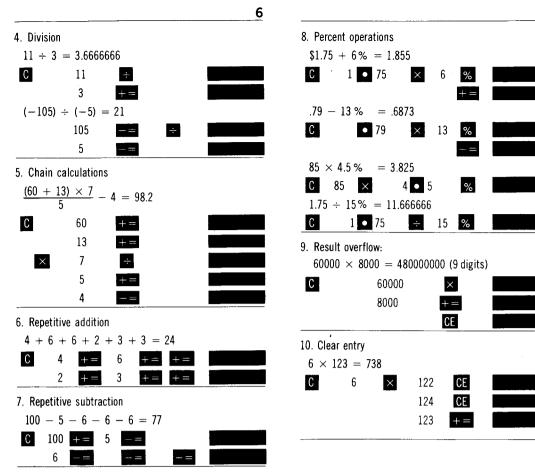
- Decimal Point-The calculator automatically positions the decimal point to maintain maximum floating point accuracy.
- Overflow Indication-An "E" will appear at the leftmost position of the display to indicate that the result of a calculation exceeds the eight digit capacity of the calculator. A depression of C or CE will clear the overflow condition.

# BATTERY HINTS

- BATTERY INSTALLATION Remove the battery cover which is located on the back of the calculator, by placing thumb on the grooves at the cover bottom and sliding it away from the case. Insert three AA batteries in proper sequence per the battery outline imprinted in the battery compartment. Replace the battery compartment cover.
- BATTERY LIFE .-- The calculator is designed to operate on 3 AA penlight batteries, which will provide up to 8 hours of continuous use. For the best cost/power ratio for your unit, use leakproof Alkaline Batteries, which will improve operating life up to 16 hours of continuous use. When the display becomes dim or calculator refuses to turn on, the batteries should be replaced.
- **OPTIONAL A.C. ADAPTER OPERATION**—An optional Litronix A.C. Adapter/Battery Eliminator (Model #102 for 110 volt operation and Model #104 for 230 volt operation) is available that will allow the calculator to be used with normal A.C. power. When the adapter is used, the internal batteries are automatically disconnected to conserve battery life.

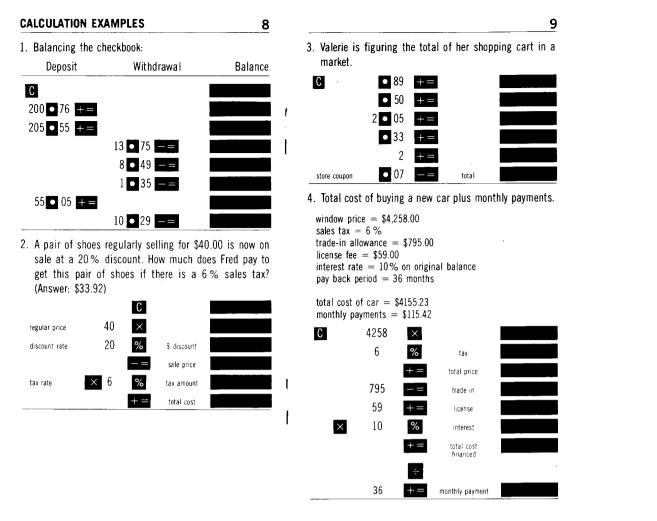
#### **OPERATION EXAMPLES**

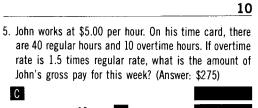




.

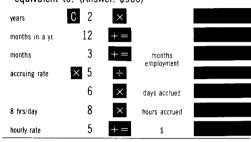
7

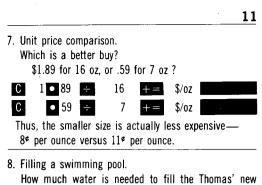






6. John's vacation time accrues at the rate of 5/6 of a working day per month. After 2 years and 3 months employment without taking a vacation, how many days have been accrued? (Answer: 22.5 days). At the rate of \$5.00 per hour, how much money is his vacation time equivalent to? (Answer: \$900)





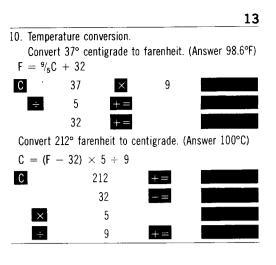
How much water is needed to fill the Thomas' new swimming pool? Its dimensions are  $30' \times 15' \times 6'$  deep. Note that a cubic foot of water is equal to 7.48 gallons (Answer 20,196 gallons). How much will it cost if water runs 200 gallons per dollar? (Answer \$100.98)

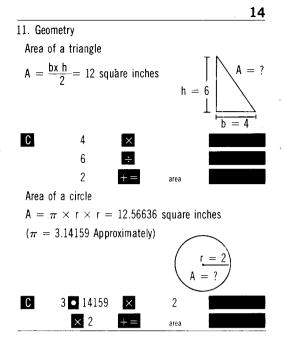
.C

30	$\times$	15	$\times$		
6	$\times$	7 🖸 48	+=	gallons	
	÷	200	+=		

				12
<ol> <li>Loan payment so Terry and Jane p rowed from the c a percent a mont much of their p loan, and how r month?</li> </ol>	ourch redit h on ayme	ased a union. the un ents wil	The interest paid balance I be going t	rate was ¾ of e (.75%). How to pay off the
First Month				
C 300 × •	75	%	interest	
		+ =	after add on	
Second Month	30	-=	balance due after payment	
	75	%	interest	
		+ =	after add on	
Third Month	30	==	balance due after payment	
ו	75	%	interest	
		+=	after add on	
	30	- =	balance due after payment	
		et cetera		

÷





#### FULL ONE YEAR WARRANTY and UNCONDITIONAL GUARANTY

Litronix, Inc. warrants your Litronix cal-culator in accordance with Federal minimum standards for Full Warranty for one year from the date of retail purchase by the original owner. In addition, Litronix unconditionally guarantees that your Litronix calculator will function properly for one year from the date of such retail purchase. Should your Litronix calculator cease functioning properly at any time within such one year period because of a defect malfunction or any other cause, Litronix, without charge, will promptly repair the calculator or replace it with a new one. CONSEQUENTIAL DAMAGES FOR BREACH OF WARRANTY OR UNCONDITIONAL GUARANTY ARE EXCLUDED. No action for breach of warranty or unconditional guaranty may be commenced more than one year after the cause of action has accrued.

BEFORE RETURNING YOUR LITRONIX CALCULATOR FOR REPAIR, PLEASE CHECK THE BATTERIES. If. after checking the batteries, your Litronix calculator still requires repair, send it to Litronix. Inc., P.O. Box 6000, Cupertino, California 95014, Attention: Quality Assurance Department.

Litronix undertakes these obligations in good faith and with full confidence in the workmanship and quality of Litronix products.

AT CAGE: AT HOME AT SCHOOL AT SCHOOL AT SCHOOL AT WORK OTHER INCLUDING THIS NEW LITT ATION: AT WORK CACHER AT WORK AT	OTHER	THREE OR MORE	OTHER
MRS   UALE OF FUNCTASE MISS   UALE OF FUNCTASE MISS   UALE OF FUNCTASE MISS   UALE OF FUNCTASE APPROX, AGE: WHERE WILL MACHINE BE PRIMARILY USED? APPROX, AGE: AT HOME   AT SCHOOL   A AT SCHOOL   AT SCHOOL	MAIL ORDER		ALESMAN
MR   UALE OF FUNCTIONS MISS   UALE OF FUNCTIONS APPROX. AGE: WHERE WILL MACHINE BE PRIMARILY USED? R IB   AT SCHOOL   AT HOME   AT SCHOOL   AT SCHOOL   AT SCHOOL   AT WORK   AT SCHOOL   AT WORK	BOOK STORE	HUUSEHULD?	NGINEER/SCIENTIST
MRR   UNIT OF FUNCTIONS	DISCOUNT STORE	ARE OWNED BY YOUR IMMEDIATE	DUCATOR/TEACHER
MR   UALE UF FUNCHASE MISS   UALE UF FUNCHASE MISS   UALE UF FUNCHASE APPROX. AGE: WHERE WILL MACHINE BE PRIMARILY USED? R 18   AT HOME   AT SCHOOL     AT SCHOOL	TYPE OF STORE PURCHASED FROM: DEPARTMENT STORE	INCLUDING THIS NEW LITRONIX	OUR OCCUPATION:
MR     UALE OF PURCHASE MRS   STATE	INCLUDING TAX) \$	1	
MR [] UALE OF PURCHASE MISS	AMOUNT PAID FOR	AT WORK	5-34
MR [] UALE OF PURCHASE MISS		AT SCHOOL	8-24
MR [] UALE OF PURCHASE MRS []	BOUGHT FOR GIFT	AT HOME	NDER 18
MR ( ) UALE OF PURCHASE			UURESS
MR.			
		DATE OF PURCHASE	~

.

.