

# **Scientific** Calculator with Statistical **Functions** TR28201

Owner's Manual



We're here to help! During weekday busi 1-800-270-9145

Please read before using

amounts of humidity and dust. Take care never to leave the calculator where it might be splashed by water or exposed to large amounts of humidity or dust. Such elements can damage internal circuitry.

- Never drop the calculator or otherwise subject it to strong impact.
- Never twist or bend the calculator. Avoid carrying the calculator in the pocket of your trousers or other tight-fitting clothing where it might be subjected to twisting or bending.

  Never try to take the calculator apart.

- Never try to take the calculator apart.
  Never press the keys of the calculator with a ball-point pen or other pointed object.
  Use a soft, dry cloth to clean the exterior of the unit. If the calculator becomes very dirty, wipe it off with a cloth moistened in a weak solution of water and a mild neutral household detergent. Wring out all excess moisture before wiping the calculator. Never use thinner, benzine or other volatile agents to clean the calculator. Doing so can remove printed markings and damage the case.

#### LCD DISPLAY

DISPLAY MODE

TAB" mode [2ndF] [TAB]:- specify number of decimal

Moreover you can change the display In exponential format by pressing [F  $\leftrightarrow$  E].

Operation

 $[2ndF][\rightarrow DEC]$ 

 $[2ndF][\rightarrow BIN]$ 

 $[2ndF][\rightarrow OCT]$  $[2ndF][\rightarrow HEX]$ 

[2ndF][STAT]

and "GRAD"

[2ndF][TAB][•]

ress [DRG] to cyc

through "DEG", "RAD"

[2ndF][TAB] then [0]~[9]

Display

DEG, RAD or GRAD

BIN

OCT HEX

STAT

DEG

RAD

GRAD

Mode

Binary

Octal

Deg

Rad

Grad

Hexadecima Statistical

To reset decimal setting

## SAFETY PRECAUTIONS

Be sure to read the following safety precautions before using this calculator. Keep this manual handy for later reference.

#### BATTERIES

- After removing the batteries from the calculator, put them in a safe place where there is no danger of them getting into the hands of small children and accidently swallowed.

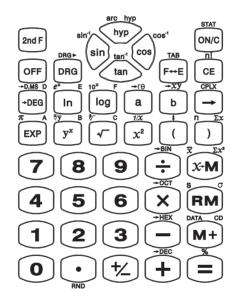
  Keep batteries out of the reach of children.
- If accidentally swallowed, consult with a physician immediately
- Never charge batteries, try to take batteries apart, or allow batteries to become shorted. Never expose batteries to direct heat or dispose of them by incineration
- Misuse of batteries can cause them to leak acid that can cause damage to nearby items and creates the possibility of fire and personal injury.

  Always make sure that a battery's positive (+) and negative (-) sides are facing correctly when you load it into the calculator.
- Remove the batteries if you do not plan to use the calculator for a long time.

  Use only the type of batteries specified for this calculator in this manual.

- Do not mix old and new batteries.
  Do not mix alkaline, standard (Carbon-Zinc), or rechargeable (Nickel Cadmium) batteries.

#### **KEYS LAYOUT**



#### ARITHMETIC OPERATIONS & PARENTHESIS CALCULATIONS

- For negative values, press [+/-] after entering the value.
- For mixed basic arithmetic operations, multiplication and division are given priority over addition and subtraction.
- Assuming that "DEC" mode ([2ndF][ $\rightarrow$ DEC]) is selected

3 [+] 4.5 [-] 53 [=] 6[×]12[+/-][÷]2.5[+/-][=] 2369[×] 7532 [×] 4103[=] 5[EXP]75 [×]2.3[+/-]	-25.5 268.8 6.9036806 <sup>12</sup>
2369[×] 7532 [×] 4103[=] 5[EXP]75 [×]2.3[+/-]	
4103[=] 5[EXP]75 [×]2.3[+/-]	6.9036806 <sup>12</sup>
5[EXP]75 [×]2.3[+/-]	6.9036806 <sup>12</sup>
XP]79 [+/ <b>-</b> ][=]	-0.001035
] 2 [+] 3[)][×] 1	
XP]2 [=]	500.
[EXP]5 [÷] 7 [=]	14285.71429
[EXP]5[÷]7 [—]	0.7142857
4285 [=]	
[+] 5 [×] 6 [=]	33.
[×] 8 [-] 4 [×] 5 [=]	36.
[+] 2 [-] 3 [×] 4 [÷]	
[+]6[=]	6.6
00 [-][(] 2 [+] 3[)]	
<] 4 [=]	80.
[+] 3 [×] [(] 4 [+] 5 [=]	29.
losed parentheses	
ccurring immediately	
efore operation of the	
=] key may be omitted.	
	2 [+] 3[)][X] 1  KP]2 [=]  EXP]5 [+] 7 [=]  EXP]5[+]7 [-]  285 [=]  +] 5 [X] 6 [=]  *X] 8 [-] 4 [X] 5 [=]  +] 12 [-] 3 [X] 4 [+]  +] 6 [=]  0 [-][([] 2 [+] 3[)]  ] 4 [=]  +] 3 [X] [(] 4 [+] 5 [=])  seed parentheses  curring immediately  fore operation of the

# DISPOSING OF THE CALCULATOR

- Never dispose of the calculator by burning it. Doing so can cause certain components to suddenly burst, creating the danger of fire and personal injury. The displays and illustrations (such as key markings) shown in this Owner's Manual are for illustrative purposes only, and may differ somewhat from the actual items they represent.
- The contents of this manual are subject to change without notice

# HANDLING PRECAUTIONS

- Be sure to press the "ON/C" key before using the calculator for the first time. Even if the calculator is operating normally, replace the battery at least once every three years. Dead battery can leak, causing damage to and malfunction of the calculator. Never leave the dead battery in the calculator.

  The battery that comes with this unit discharges slightly during shipment and storage. Because of this, it may require replacement sooner than the normal expected battery life.

  Low battery power can cause memory contents to become corrupted or lost completely. Always keep written records of all important data.

  Avoid use and storage in areas subjected to

- written records of all important data.

  Avoid use and storage in areas subjected to temperature extremes. Very low temperatures can cause slow display response, total failure of the display, and shortening of battery life. Also avoid leaving the calculator in direct sunlight, near a window, near a heater or anywhere else it might become exposed to very high temperatures. Heat can cause discoloration or deformation of the calculator's case, and damage to internal circuitry. calculator's case, and damage to internal circuitry.

  Avoid use and storage in areas subjected to large

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# BEFORE STARTING CALCULATIONS

#### OPERATION MODES

When using this calculator, it is necessary to select the proper mode to meet your requirements

#### CALCULATION MODES

"DEC" mode [2ndF][...]: - general calculations, including function calculations can be executed. Either "DEG", "RAD" or "GRAD" symbol appears in the LCD display (depends on which angular measurement mode is active).

"BIN" mode [2ndF][\times BIN]:- binary conversion and calculations "BIN" symbol appears in the LCD display.

"OCT" mode [2ndF][→ DIN]:- binary conversion and calculations. "BIN" symbol appears in the LCD display. "OCT" mode [2ndF][→ OCT]:- octal conversion and calculations. "OCT" symbol appears in the LCD display. "HEX" mode [2ndF][→ HEX]:- hexadecimal conversion and calculations. "HEX" symbol appears in the LCD display.

display.

"CPLX" mode [2ndF][CPLX]:- calculations including complex numbers can be executed. "CPLX" symbol

appears in the LCD display.

"SD" mode [2ndF][STAT]:- standard deviation calculation can be executed, "STAT" symbol appears in the LCD display.

## ANGULAR MEASUREMENT MODES

- "DEG" mode:- specify measurement in "degrees".
  "DEG" symbol appears in display window.
  "RAD" mode:- specify measurement in "radians".
  "RAD" symbol appears in display window.
  "GRAD" symbol appears in display window.
  "GRAD" symbol appears in display window.

These three angular measurement modes can be used in combination with the "DEC" mode.

# PERCENTAGE CALCULATIONS

Example	Operation	Display
Percentage		
26% of \$15.00	15 [×]26 [2ndF] [%] [=]	3.9
Premium		
15% increase from		
\$36.20	36.2[+]15 [2ndF] [%] [=]	41.63
Discount		
4% discount from		
\$47.50	47.5[-]4 [2ndF] [%] [=]	45.6
Ratio		
75 is what % of 250?	75[÷]250 [2ndF] [%] [=]	30.

### SPECIFYING THE NUMBER OF DECIMAL PLACES

To specify the number of decimal places (TAB), [2ndF][TAB] then enter a value indicating the number of decimal places (0~9).

Example	Operation	Display
To set 3 decimal places	[2ndF][TAB]3	0.000
To reset the number of decimal places.	[2ndF][TAB][+]	0.

# DISPLAY IN EXPONENTIAL FORMAT

You can change the display into exponential format by pressing  $[F \! \leftrightarrow \! E].$ 

Example	Operation	Display
2÷3 = 0.666666666	2[÷]3[=]	0.66666666
1	[F↔E]	6.6666666-01

#### MEMORY

This calculator contains a single independent memory, which is accessed by using the  $[X \rightarrow M]$ , [M+] and [RM]. Content of this independent memory is protected even when the power is turned OFF.

Addition results can be stored directly in memory. Results can also be totalized in memory, making it easy to calculate sums. The icon "M" will be lighted as long as "Memory" is not empty.

Example	Operation	Disp	lay
Input 123 into memory:	123[X→M]	М	123.
L	[ON/C]	м	0.
To recall the content of	[RM]	М	123.
the memory			
To add 25 into the	25[M+]	м	25.
memory			
	[ON/C]	м	0.
	[RM]	м	148.
To replace the memory	369 [X→M]	М	369.
content by a new	[ON/C]	м	0.
number, e.g. 369	[RM]	м	369.
To clear the memory	[ON/C]	М	0.
	[X→M]		0.

# TRIGONOMETRIC FUNCTIONS AND INVERSE TRIGONOMETRIC FUNCTIONS

- Be sure to set the unit of angular measurement
- Be sure to set the unit of angular measurement before performing trigonometric function and inverse trigonometric function calculations. The unit of angular measurement (degrees, radians, grads) is selected by pressing [DRG]. Once a unit of angular measurement is set, it remains in effect until a new unit is set. Settings are not cleared when power is switched OFF.

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RGJto select "DEG I [→DEG][sin] RGJto select "RAD F][π][÷]3[)][cos] RGJto select "GRAD [tan] RGJto select "DEG [x]2[×][[65[cos]	0.897859012 0.5 -0.612800788
PRG]to select "RAD F][π][÷]3[)][cos] RG]to select "GRAD [[tan] PRG]to select "DEG	0.5
F][π][÷]3[)][cos] RG]to select "GRAD [tan] PRG]to select "DEG	
RG]to select "GRAD [tan] PRG]to select "DEG	-0.612800788
[tan] PRG]to select "DEG	-0.612800788
RG]to select "DEG	"
[×]2[×][(]65[cos]	0.597672477
	0.597672477
lF][sin <sup>-1</sup> ]	30.
RG]to select "RAD	"
÷]2[)]	
cos <sup>-1</sup> ]	0.785398163
dF][π][=]	0.25
RG]to select "DEG	"
	36.53844577
ndF][tan <sup>-1</sup> ]	
(	dF][π][=] DRG]to select "DEG 2ndF][tan <sup>-1</sup> ]

#### PERFORMING HYPERBOLIC AND INVERSE HYPERBOLIC FUNCTIONS

Example	Operation	Display
sinh3.6= 18.28545536	3.6[HYP][sin]	18.28545536
cosh1.23 = 1.856761057	1.23[HYP][cos]	1.856761057
tanh2.5= 0.986614298	2.5[HYP][tan]	0.986614298
cosh1.5-sinh1.5	1.5[HYP][cos][-][(]1.5	
= 0.22313016	[HYP][sin][)][=]	0.22313016
sinh <sup>-1</sup> 30 = 4.094622224	30[HYP][2ndF][sin <sup>-1</sup> ]	4.094622224
cosh <sup>-1</sup> (20/15)	[(]20[÷]15[)][HYP][2ndF]	
= 0.795365461	[cos <sup>-1</sup> ]	0.795365461
x = (tanh <sup>-1</sup> 0.88) / 4	0.88[HYP][2ndF][tan <sup>-1</sup> ]	
= 0.343941914	[÷]4[=]	0.343941914
sinh <sup>-1</sup> 2×cosh <sup>-1</sup> 1.5	2[HYP][2ndF][sin <sup>-1</sup> ][×][(]	
= 1.389388923	1.5[HYP][2ndF][cos <sup>-1</sup> ][)][=]	1.389388923
sinh <sup>-1</sup> (2/3)+tanh <sup>-1</sup> (4/5)	[(]2[÷]3[)][HYP][2ndF]	
= 1.723757406	[sin <sup>-1</sup> ][+][(]4[÷]5[)][HYP]	
	[2ndF][tan <sup>-1</sup> ][=]	1.723757406

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Example	Operation	Display
log1.23	1.23[log]	0.089905111
= 0.089905111		
In90 = 4.49980967	90[ln]	4.49980967
log456÷ln456	456[log]÷[(]456[ln][)][=]	0.434294481
= 0.434294481		
$10^{1.23} = 16.98243652$	1.23[2ndF][10 <sup>x</sup> ]	16.98243652
e <sup>4.5</sup> = 90.0171313	4.5[2ndF][e <sup>x</sup> ]	90.0171313
10 <sup>4</sup> • e <sup>-4</sup> + 1.2 • 10 <sup>2.3</sup>	4[2ndF][10 <sup>x</sup> ][×][(]4[+/ <b>-</b> ]	
= 422.5878667	[2ndF][e <sup>x</sup> ][)][+][(]1.2[×][(]	
	2.3[2ndF][10 <sup>x</sup> ][)][)][=]	422.5878667
$(-3)^4 = 81$	3[+/ <b>-</b> ][y <sup>x</sup> ] 4 [=]	81
-3 <sup>4</sup> = -81	[-] 3 [y <sup>x</sup> ] 4 [=]	<del>-</del> 81
5.6 <sup>2.3</sup> = 52.58143837	5.6 [y <sup>x</sup> ] 2.3 [=]	52.58143837
$\sqrt[3]{123} = 4.973189833$	123 [2ndF][ <sup>3</sup> √]	4.973189833
(78-23) <sup>-12</sup>	[(]78[-]23[)][y <sup>x</sup> ]12[+/-][=]	1.3051118-2
$= 1.305111829 \times 10^{-21}$		
$2+3\times^3\sqrt{64-4}=10$	2[+]3[×][(]64[2ndF][ <sup>3</sup> √]	
	[)][-]4[=]	10
$2 \times 3.4^{(5+6.7)} = 3306232$	2[×]3.4[y <sup>x</sup> ][(]5[+]6.7[)][=]	3306232

#### DEGREES, MINUTES, SECONDS CALCULATIONS

You can perform sexagesimal calculations using degrees (hours), minutes and seconds. And convert between sexagesimal and decimal values.

Example	Operation	Display
To express 2.258 degrees	2.258[2ndF][→D.MS]	2.152880
in deg/min/sec.		(2°15 28.80")
To perform the calculation:	12.3456[→DEG]	12.58222222
12°34'56"×3.45	[×]3.45[=]	43.40866667
	[2ndF][→D.MS]	43.243120
		(43°24'31.20")

#### COORDINATE TRANSFORMATION

- This scientific calculator lets you convert between
- rectangular coordinates and polar coordinates, i.e.,  $P(x, y) \leftrightarrow P(r, \theta)$ With polar coordinates,  $\theta$  can be calculated within a range of -180° <  $\theta$  ≤ 180° (Calculated range is the same with radians or grads.)

Example	Operation	Display
x=14 and y=20.7, what	Press [DRG]to select "DEG"	
are r and $\theta$ °?	14[a]20.7[b][2ndF][→rθ]	24.98979792(r)
	[b]	55.92839019(θ)
	[2ndF][→D.MS]	55.554220(θ)
x=7.5 and y=-10, what	Press [DRG]to select "RAD"	
are r and $\theta$ rad?	7.5[a]10[+/ <b>-</b> ][b]	
	[2ndF][→rθ]	12.5(r)
	[b]	<b>-</b> 0.927295218(θ)
r=25 and $\theta$ = 56°, what	Press [DRG]to select "DEG"	
are x and y?	25[a]56[b][2ndF][→xy]	13.97982259(x)
	[b]	20.72593931(y)
$r=4.5$ and $=2\pi/3$ rad,	Press [DRG]to select "RAD"	
what are x and y?	$2[\times][2ndF][\pi][\div]3[=][b]$	
	4.5[a][2ndF][→xy]	-2.25(x)
	[b]	3.897114317(v)

#### COMPLEX NUMBER CALCULATION

Press [2ndF] [CPLX] to enter the "CPLX" mode for calculations that include complex numbers.

Example	Operation	Display
	[2ndF][CPLX]	0.
(2+3i)+(4+5i)	2[a]3[b][+]4[a]5[b][=]	(real number part)6.
	[b]	(imaginary number part)8.
Find the absolute value	3[a]4[b][2ndF][→rθ]	5.
and the argument		(absolute value)
of (3+4i)	[b]	53.13010235
		(argument)

# DEGREE, RADIAN, GRADIENT INTERCONVERSION

Degree, radian and gradient can be converted to each other with the use of [2ndF][DRG>].

Example	Operation	Display
Change 20 radian to	Press [DRG]to select "RAD"	
degree	20[2ndF][DRG>]	1
	[2ndF][DRG>]	1145.91559
10 radians+25.5 gradients	Press [DRG]to select "RAD"	
The answer is expressed	10[2ndF][DRG>][+]25.5	1
in degree.	[=][2ndF][DRG>]	595.9077951

#### EXCHANGE FUNCTION ‡

Exchange two operands between the operator, For example [3]  $[\div]$  [6] and then press [1] will change to [6]  $[\div]$  [3], and you will get the answer of 2.

#### RIGHT SHIFT FUNCTION

To shift a displayed value digit by digit to the right, until you get to the digit you want to re-input from.

# OTHER FUNCTIONS ( $\sqrt{x^2}$ , 1/x, n!, $\sqrt[3]{RND}$ )

Example	Operation	Display
$\sqrt{2+\sqrt{5}} = 3.65028154$	2[√][+]5[√][=]	3.65028154
$2^2 + 3^2 + 4^2 + 5^2 = 54$	2[x <sup>2</sup> ][+]3[x <sup>2</sup> ][+]4[x <sup>2</sup> ]	
	[+]5[x <sup>2</sup> ][=]	54.
$(-3)^2 = 9$	3[+/-][x <sup>2</sup> ]	9.
1/(1/3-1/4) = 12	[(]3[2ndF][1/X][-]4	
	[2ndF][1/X][)][2ndF][1/X]	12.
8! = 40320	8[2ndF][n!]	40320.
$\sqrt[3]{(36\times42\times49)} = 42$	[(]36[×]42[×]49[)]	
	[2ndF][³√]	42.
√(1–sin²40)	Press [DRG]to select "DEG"	
= 0.766044443	[(]1[−][(]40[sin][)][x²][)][√]	0.766044443
Random number	[2ndF][RND]	0.792
generation (in the range of 0.000 to 0.999)		(random)

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# BINARY, OCTAL, DECIMAL, HEXADECIMAL CALCULATIONS

- General function calculations cannot be performed
- Only indid values for the particular number system can be used.

Number system	Valid values
Binary	0,1
Octal	0,1,2,3,4,5,6,7
Decimal	0,1,2,3,4,5,6,7,8,9
Hexadecimal	0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F

# BASIC ARITHMETIC OPERATIONS USING BINARY, OCTAL, DECIMAL, HEXADECIMAL VALUES

Example	Operation	Display
101112+110102	[2ndF][→BIN]	0.
= 1100012	10111[+]11010[=]	110001.
B4716-DF16	[2ndF][→HEX]	0.
= A68 <sub>16</sub>	B47[-]DF[=]	A68.
1238×ABC16 = 37AF416	[2ndF][→OCT]	0.
= 22808410	123[2ndF][→HEX]	53.
	[×]ABC[=]	37AF4.
	[2ndF][→DEC]	228084.
1F2D16-10010 = 788110	[2ndF][→HEX]	0.
= 1EC9 <sub>16</sub>	1F2D[2ndF][→DEC]	7981.
	[-]100[=]	7881.
	[2ndF][→HEX]	1EC9.
7654s÷1210	[2ndF][→OCT]	0.
= 334.333333310	7654[2ndF][→DEC]	4012.
= 5168	[÷]12[=]	334.3333333
	[2ndF][→OCT]	516.
123410+1EF16÷248	[2ndF][→DEC]	0.
= 23528	1234[2ndF][→HEX]	4d2.
= 125810	[+]1EF[2ndF][→OCT]	757.
	[÷]24[=]	2352.
	[2ndF][→DEC]	1258.

#### BINARY, OCTAL, DECIMAL, HEXADECIMAL CONVERSIONS

Example	Operation	Display
How is 2210 expressed in	[2ndF][→DEC]	0.
binary, octa <b>l</b> and	22[2ndF][→BIN]	10110.
hexadecimal number	[2ndF][→OCT]	26.
system?	[2ndF][→HEX]	16.

#### STATISTICAL CALCULATIONS

This unit can be used to make statistical calculations including standard deviation in the "STAT" mode.

#### STANDARD DEVIATION

In the "STAT" mode, calculations including 2 types of standard deviation formulas, mean, number of data, sum of data, and sum of square can be performed.

#### Data Input

- 1. Press [2ndF] [STAT] to specify STAT mode.
- Input data, pressing [DATA] key each time a new piece of data is entered.

**Example** Data: 10, 20, 30

Key operation: 10 [DATA] 20 [DATA] 30 [DATA]

#### Performing calculations

The following procedures are used to perform the various standard deviation calculations.

Key operation	Result
[2ndF][σ]	Population standard deviation, σ
[S]	Sample standard deviation, S
[7]	Mean, $\overline{x}$
$[2ndF][\sum x^2]$	Sum of square of data, $\sum x^2$
$[2ndF][\Sigma x]$	Sum of data, $\sum x$
[n]	Number of data, n

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Standard deviation and mean calculations are performed as shown below: Population standard deviation  $\sigma = \sqrt{(\sum (x_i - \bar{x})^2/n)}$ 

where i = 1 to nSample standard deviation  $S = \sqrt{(\sum (x_i - \overline{x})^2/(n-1))}$ 

where i = 1 to n

 $\mathsf{Mean}\,\overline{x} = (\sum x)/n$ 

Example	Operation	Display
Data 55, 54, 51, 55, 53,	[2ndF] [STAT]	0.
53, 54, 52	55[DATA]54[DATA]	2.
	51[DATA]55[DATA]	4.
	53[×]2[DATA]	6.
	54[DATA]52[DATA]	8.
What is deviation of the	[n](Number of data)	8.
unbiased variance, and	$[2ndF][\sum x]$ (Sumof data)	427.
the mean of the above	$[2ndF][\sum x^2]$ (Sum of square of data)	22805.
data?	[X] (Mean)	53.375
	[2ndF][σ] (Population SD)	1.316956719
	[S] (Sample SD)	1.407885953
	[S][x²](Sample variance)	1.982142857

#### REPLACING THE BATTERY

Dim figures on the display of the calculator indicate that battery power is low. Continued use of the calculator when the battery is low can result in improper constitution.

improper operation.
Replace the battery as soon as possible when display figures become dim.

To replace the battery:

- Remove the screws that hold the back cover in place and then remove the back cover

- Remove the old battery,
  Wipe off the side of the new battery with a dry, soft cloth. Load it into the unit with the positive (+) side facing up.
  Replace the battery cover and secure it in place with the
- Press [ON/C] to turn power on.

# AUTO POWER OFF

Calculator power automatically turns off if you do not perform any operation for about six minutes. When this happens, press [ON/C] to turn power back on.

#### **SPECIFICATIONS**

Power supply: 1 x LR1130 batteries Operating temperature: 0° ~ 40°C (32°F ~ 104°F)



## ONE (1) YEAR LIMITED WARRANTY

ONE (1) YEAR LIMITED WARRANTY

Worklife Brands, LLC ("Worklife Brands"), warrants to the original purchaser that this TRU RED calculator, except the battery, will be free from defects in material and workmanship under normal use for one (1) year from the date of purchase. Worklife Brands will either replace any defective Worklife Brands brand calculator free of change with the same or similar model or refund 100% of the purchase price, at Worklife Brands option.

To claim your replacement or refund, contact product support at 1-800-270-9145 from 8 am to 8 pm EST Monday – Friday (except holidays) Please retain the dated sales receipt as evidence of the date of purchase as it will be required for any warranty service.

This warranty will not apply to normal wear or damage from misuse, abuse, improper storage and handling, installation, accident, repair or alternation. Without limiting the foregoing, battery leakage, bending of the unit, a broken tube, floppy drive recalibrations and any cracks in the LCD display will be pressumed to have resulted from misuse or abuse.

IN NO EVENT WILL WORKLIFE BRANDS BE LIABLE FOR ANY INCIDENTAL, DIRECT, INDIECT, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES (SUCH AS BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, BUSINESS, SAVINGS, DATA OR RECORDS, RELATED TO THIS PRODUCT. SOME STATES, PROVINCES AND TERRITORIES DO NOT ALLOW THE EXCLUSION OF LIMITATION OF INCIDENTAL ON GONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG ANIMPLIED WARRANTY LASTS. THIS WARRANT GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTSTHAT VARY DEPENDING UPON THE STATE, PROVINCE, TERRITORY OR COUNTRY.

EXCEPT AS STATED HEREIN, NO OTHER WARRANTIES SHALLAPLY.