PLATINUM
PRO1001DXP
PROFESSIONAL SERIES
DIGITAL COUNTERTOP / PORTABLE BALANCE

GEMORO®

TARE

CAL

UNIT

PRINT

PCS

PRO1001DXP
1000g x 0.01g

Platinum Scales

IMPORTANT – PRINT FUNCTION LIMITATIONS

Your GemOro Platinum PRO1001DXP precision balance features a useful, but limited print function via RS232 and USB interfaces. Please note that there are certain requirements which must be met in order to use this function.

When using the RS232 interface, your thermal printer must have the following specifications:

baud rate: 9600bps

data bit: 8 bits

stop bit: 1 bit

parity bit: none

When using the USB interface, currently only the following printer models are compatible:

EPSON TM-T58

EPSON TM-T82II

GEMORO®
◆ Platinum Scales

Congratulations on your purchase of the Professional Series Platinum PRO1001DXP precision countertop/portable balance by GemOro Superior Instruments, the most trusted name in precision weighing for the jewelry industry! Your new GemOro Platinum PRO1001DXP is a very durable, attractively designed and full featured professional precision precious metals scale that is ideal for the retail jeweler, findings dealer, traveling gold wholesaler or pawnbroker and at a value that is unsurpassed. The Platinum PRO1001DXP weighs in g, dwt, ozt, oz, mom, ct, gn & lb and features a bright blue backlit LCD display. It has a large round stainless steel weighing platform, and a contemporary design with a durable, long-life ABS body. It features pushbutton digital calibration, tare, parts counting (PCS), and memory; overload protection, low battery indication, battery saving auto-off functions, as well as a print function that allows you to print the displayed weighing results to your thermal printer. The Platinum PRO1001DXP is powered by (4) supplied AA alkaline batteries or its included universal voltage 6VDC 100V-240V AC adapter. Please read all instructions prior to operating.

INSTRUCTIONS FOR USE

Before using the PRO1001DXP, locate the leveling bubble (positioned at the right/ rear side of the scale); adjust the height of the feet by screwing them in or out as needed in order to make the scale level. The scale is now ready to be turned on and used.

CONTROL PANEL 5 BUTTON ID & EXPLANATION

1. POWER - Push this button once to turn the scale on, while pressing it again to turn it off. When powered on, the scale display will initially show "999999" and begin a countdown boot-sequence to initialize the scale. While in the gram mode, the blue backlit display will then show 0.0g after it stabilizes. The scale will automatically display the last unit of measure (g, dwt,ct, gn, oz, mom, ozt & lb) that was programmed into the scales memory.
2. TARE - Push this button once to bring the scales display back to 0.0g while in the gram mode (this feature may be used in any mode). When using a weighing tray or other type of scoop or container,

simply place the tray, etc. on the weighing platform and then push the TARE (zero) button once to automatically subtract the weight of whatever was on the weighing platform while maintaining the subtracted weight in its memory. The display will then show 0.0g. If you then take the tray off of the weighing platform, from its memory the display will show a negative weight equal to the weight of the tray or whatever was on the weighing platform. After placing the tray back on the weighing platform, you may then place the item that you wish to weigh directly into the tray and weigh it independently. When you no longer wish to use the tray, you may press the TARE button once again to bring the display back to 0.0g or press the POWER button once to turn the scale off since both of these steps will subtract the weight from its memory.

3. CAL – Push and HOLD this button to initiate the scale's calibration process. To calibrate the scale, please refer to the CALIBRATION PROCEDURE section noted below.

Pushing this button also changes the decimal place in the weighing mode you are using. The units of measure are as follows per weighing mode:

Gram (g) - 0.1 or 0.01
Pennyweight (dwt) - 0.1 or 0.01
Carat (ct) - 0.1 or 0.01
Momme (mom) - 0.1 or 0.01
Grains (gn) - 1 or 0.1
Ounce (oz) - 0.01 or 0.001
Troy Ounce (ozt) - 0.01 or 0.001
Pounds (lb) - 0.001 or 0.0001

4. PCS – Push this button to initiate the scale's parts counting PCS feature. Please refer to the COUNTING FEATURE (PCS) section noted below.
5. UNIT - Push this button to scroll through the scale's weighing modes. Simply press the button once to scroll through each weighing mode until you find the desired unit of measure.
6. PRINT - Once stabilized, use this button to print the displayed weighing results to your thermal printer. Please refer to the PRINTING section noted below.

SPECIFICATIONS

Capacity & Readability: 1,000g x 0.01g
Units of Measure: g, dwt,ct, gn, oz, mom, ozt & lb &
parts counting (PCS)
Calibration: Auto Digital Keypad Calibration (ADKC)
Overload Indication: [EEEE]
Auto Shut-Off: 3 Minutes - No activity
Low Voltage Indication: [Lo   ]
Optimum Operating Temperature: 10º-30ºC or
50º-86ºF
Power Requirements: 4 - AA Alkaline batteries
(included) or included universal voltage 6VDC
100V-240V AC adapter
Calibration: Included (2) 500g calibration weights
Not Legal for Trade

POWER INSTALLATION

AC Adapter Operation

· CAUTION: Use only the UL Listed GemOro 6V
  AC adapter Item #9746. This universal adapter is
  designed to specifically work with the PRO1001DXP
  balance. The unique feature of the PRO1001DXP
  adapter is that it allows the adapter to automatically

sense as well as adjust to the various voltage requirements allowing for use worldwide from the USA to Europe and beyond! Use of another type of adapter may permanently damage the scale, cause a fire and void the warranty.

· Insert the female plug from the AC adapter into the scales male receptacle located on the right of the scale, and then plug the AC adapters prongs into a convenient electrical wall outlet.

Battery Operation

· When removing the battery cover, be certain not to apply excessive force or pressure onto the scales weighing platform or damage may occur to the scales load cell and void the warranty. To install new batteries, remove the battery cover on the bottom of the scale with caution as indicated above, and place the 4 – AA alkaline batteries into the compartment as indicated.

· Insert the battery cover back onto the battery compartment when finished.

CALIBRATION PROCEDURE (Two-Point Calibration)

Once calibrated, the PRO1001DXP should maintain its calibration unless moved, bumped or the weighing environment has changed. For best results, it is advisable to check the calibration at regular intervals by placing a known mass or weight or the supplied (2) 500g calibration weights on the scales weighing platform. If calibration is required, please carefully follow these steps:

CAUTION: Never attempt to calibrate the PRO1001DXP unless you have the required (2) 500g calibration weights with the scale handy.

1. Press the POWER button to turn the PRO1001DXP on. Allow the scale to warm up and stabilize for approximately two minutes before commencing with the calibration procedure.
2. Remove all items from the weighing platform and press the TARE button to zero the display.
3. After observing a stable 0.0g while in the (g) gram mode, press and hold the CAL button and "CAL" will appear on the display.
4. Press the CAL button again. "CAL" will begin flashing and then after a few seconds "500.0g" will

begin flashing on the display.

5. Gently place a single 500g calibration weight near the center of the stainless steel weighing platform. Be sure to leave space on the platform for the second 500g weight. IMPORTANT- Do not disturb the PRO1001DXP during this time as it may impact the accuracy of the calibration.

6. Approximately 4 seconds after the first 500g weight is placed on the platform, the display will then change to read "1000g". Gently place the second 500g calibration weight onto the stainless steel weighing platform, so that the total weight on the platform will then be 1,000g.

7. The display will then show "PASS" which indicates that the calibration procedure has been successful. If "Err1" appears on the display instead of "PASS", this indicates that an error has occurred, and the calibration procedure should be repeated.

PARTS COUNTING (PCS) FEATURE

The parts counting (PCS) feature within your scale can be really handy if you are in need of counting a large number of small items (example: findings, silver beads, gold chains, etc.) very quickly and accurately.

By weighing a minimum sample of 25 pieces of an item, the scale will determine the average weight of each piece and use that as its reference. (Note: The larger the sample size used, the greater the accuracy of the per piece count.) Once the reference sample weight has been determined, you may place an unknown quantity of the item on the scale and it will automatically count the exact number of pieces.

1. To set your PRO1001DXP to the parts counting mode, once the scale has been turned on and it has stabilized, place either 25, 50 or 100pcs of the item you wish to count onto the weighing platform.
2. Press and hold the PCS button for 2 to 3 seconds. The screen will begin to flash a quantity (25, 50 or 100). To select a specific quantity, press the UNIT button and continue to press the button repeatedly while scrolling through the various units of measure until the display reads the same sample quantity you have placed onto the weighing platform.
3. Press the PCS button again to lock the sample size used into the counting program. The display will then read "pcs" in the upper left hand corner of the display to indicate that the PCS function is

enabled.

4. You may switch between the scales PCS mode and regular weighing by pressing the "PCS button. The scale will continue to retain the last "PCS" setting made until you go through the above process again.

5. In many cases when counting very small or round parts, etc. it is suggested that a weighing tray (scoop or container) be used to hold the items.

PRINTING FEATURE

With the push of a button, the printing feature allows you to record the weight of items on paper when using an attached thermal printer that has been interfaced with the scale. The scale has both standard USB interface and RS232 serial port capabilities. Simply follow the below steps to set up the printing feature on your scale:

1. Ensure that the USB cord is connected to your scale and plug the opposing end into your thermal printer.

2. Place an item on the scale platform. When the weight reads "stable", you may then press the "Print" button on your scale to send the reading to your thermal printer.

COMPATIBLE THERMAL PRINTERS

Note that not all thermal printers are compatible with this scale. While there may be others, the following printer models have been determined to be compatible for use with this scale:

EPSON TM-T58 - RS232 Serial Port
EPSON TM-T82II - USB Interface

WARRANTY

This durable scale is warranted to perform to the manufacturers stated specifications as noted above and if the above referenced care is provided, for a period not to exceed five years from the original date of purchase, providing the purchaser first follows the warranty registration procedure. In the event of the scale becoming defective within the stated warranty period and it is determined by the factory that no user abuse was the cause of the defect, the scale may be repaired or replaced at the factory's sole discretion. No other written or implied warranty shall apply. In the unlikely event of a scale defect and providing the warranty registration procedure has been followed; please return the defective scale to your scale supplier or to the address below along with a copy of your original sales receipt for warranty service. The purchaser shall incur the cost for postage, insurance and handling for all warranty and non-warranty repairs and/or replacements. Warranty repairs and/ or replacements will be shipped FOB Destination to the location of the customer's choosing if located within the Continental United States (U.S.). Should the customer require the repair and/or replacement

unit(s) to be shipped outside the Continental U.S., the customer will be required to pay any related shipping charges and any related taxes/duties for the respective destination country.

No contaminated scale will be accepted and if received in this condition it will automatically be destroyed with no recourse while the warranty replacement will be revoked. This scale is not intended for illegal use.

NOTE: Please fill out the Warranty Registration form on our website: www.gemoroproducts.com/warrantyregistration

GEMORO®

◆ Platinum Scales

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