

# GEMORO<sup>®</sup> CZ MASTER SET PRO 3<sup>®</sup>



FOR DIAMOND COLOR  
COMPARISON AND GRADING  
FEATURING EXCLUSIVE  
**COLORLAST<sup>®</sup>** TECHNOLOGY &  
NATURAL DAYLIGHT/  
UV LED GRADING CASE  
PATENTED

**WORLD'S  
FIRST  
11 STONE  
CZ MASTER SET!**

## **OPERATING PROCEDURE & OWNERS MANUAL**

Congratulations on your purchase of the CZ Master Set Pro 3 from **GEMORO** Superior Instruments, the most trusted name in gemological instrumentation for the jewelry industry. As the leading manufacturer of CZ master sets for over three decades, you've made a great choice, because the best diamond color comparison set just got better. Professionally color grade and detect fluorescence in diamonds in seconds with **GEMORO's** new 11 stone CZ Master Set Pro 3!

Each stone in the precision CZ Master Set Pro 3 is treated with **GEMORO's** proprietary **COLORLAST®** technology to ensure permanent color saturation. They are meticulously hand-graded by experts in the **GEMORO** grading laboratory to master diamond color standards using the GIA grading scale. The jewelry industry's most popular CZ master set now comes in **GEMORO's** PATENTED LED illuminated grading and storage case, featuring natural daylight and UV LED's, powered

by rechargeable NiMH batteries and a micro-USB power/charging system.

## **PLEASE READ BEFORE USING THE PROVIDED NiMH RECHARGEABLE BATTERIES**

Before using the NiMH rechargeable batteries that have been provided with your CZ Master Set Pro 3, to increase their life it is recommended to fully charge the batteries as shown by the small round LED indicator located in the center of the rear side of the grading case. The indicator will light up **YELLOW** when charging and **GREEN** when fully charged. While the batteries are being charged, the grading case may be used as desired while powered by the AC current.

## **CONDITIONS FOR IDEAL OPERATION**

1. The CZ case should be placed on a level surface such as a desk, workbench, or showcase.
2. It is best if the lighting in the room is either turned off or dimmed.
3. Color grading is best performed in the morning while your eyes are fresh and not fatigued.


## **CZ MASTER SET PRO 3 FEATURES**

1. Largest range of reference available (11 stones!): D, E, F, G, H, I, J, K, L, M and N comparison stones in 1.00ct diamond size.
2. Featuring proprietary **COLORLAST®** technology.
3. Standard GIA grading scale with laser inscribed color ID on each stones girdle.
4. Portable LED illuminated grading and storage case with built-in grading tray.
5. Daylight illumination & UV fluorescence detection capability.
6. NiMH rechargeable battery powered with micro-USB power/charging system.
7. Includes: Simulated white and yellow gold solitaire display ring stone holders for comparing mounted stones, 2 AAA NiMH rechargeable batteries, micro-USB power cord and UL/CE Listed 100V-240V AC universal voltage adapter.
8. Lifetime Limited Warranty against color change.

## **SPECIFICATIONS**

- Working Voltage: DC 1.2V (2) × AAA NiMH or its universal voltage

100V-240V AC adapter.

- NiMH Battery Working Time:  
Approximately 3.5 hours  
of continuous use.
- Net Weight: Approximately 110g  
(including stones, batteries,  
grading and storage case).
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## **CAUTION**

DO NOT attempt to disassemble the **GEMORO CZ Master Set Pro 3** other than to replace the batteries or the warranty will become void. Simply hand clean the stones to remove hand or body oil with a clean, dry cloth as needed. DO NOT clean the stones under a steamer, within an ultrasonic cleaning machine or with any cleaning agents. Doing so could damage your stones and void its warranty.

## **OPERATION - NiMH BATTERY USAGE**

1. Remove the battery compartment door located on the bottom of the **GEMORO CZ Master Set Pro 3** by inserting your fingernail or coin into the crescent shaped opening in the center bottom of the case and prying it open.  
To activate the (2) NiMH rechargeable



batteries, REMOVE THE BATTERY DISCHARGE INSULATOR TAB located at the end of the battery and then carefully replace the battery compartment door. To increase the life of the NiMH rechargeable batteries, after removing the discharge insulator tab, fully charge the batteries prior to use.



If you wish to replace the NiMH batteries, after removing the battery

compartment door as described above, insert (2) new AAA NiMH batteries or (2) high-quality AAA alkaline batteries into the battery compartment. The proper polarity positioning is indicated on the side of the battery compartment wall showing the direction of positive (+) and negative (-) polarity so that it is correctly positioned in the battery holder. Carefully replace the battery compartment door. To increase the life of the NiMH rechargeable batteries, after removing the discharge insulator tab, fully charge the batteries prior to use.

2. The CZ Master Set Pro 3 NiMH rechargeable batteries may be charged by plugging its supplied micro-USB power cord into the rear of the case and the USB adapter cube directly into a wall outlet. Once the case is connected to the AC adapter, the case will switch to its DC power mode. The round LED battery indicator light in the middle of the rear of the case will light up as follows:

**GREEN** = Fully Charged

**YELLOW** = Charging

**RED** = Low Batteries



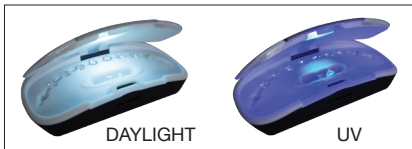
The tester's built-in Intelligent Charging Circuit ICC will automatically identify the type of batteries installed (NiMH rechargeable batteries or alkaline batteries). If alkaline batteries are installed, the circuit will automatically cut off the power supply to the batteries. If NiMH rechargeable batteries are installed, the batteries will be recharged and at the same time the CZ Master Set Pro 3 may be used with the AC adapter.

3. To power the CZ Master Set Pro 3 press the round white button located on the rear side of the case and the white natural daylight LED's will light up. Press the button again to turn on the UV LED's. Press the button again to turn it off.
4. To open the CZ Master Set Pro 3 case to access the CZ's, press the thin white rectangular shaped button on the front



center of the case with one hand, while pulling open the lid up and open with the other hand. To close the CZ Master Set Pro 3 case, simply lower the lid until the lock is securely engaged.





## **GRADING DIAMOND COLOR OR FLUORESCENCE**

1. To color grade a diamond, simply place it in the middle of the grooved tray, positioned with the table (flat part of the stone) down at a 45° angle while laying the table of the stone against the front of the groove.
2. For best results, it is recommended to turn off or dim the overhead lights in the room you are in. Turn on the cases natural daylight LED's when color grading or UV LED's when grading fluorescence.
3. By process of elimination, lay the master stones next to the diamond until you are able to visually match the color to the diamond.
4. Store the CZ Master Set Pro 3 in its leatherette pouch with the lid closed in a climate-controlled room. Never expose it to extreme heat and/or UV radiation.

## **ATTENTION**

The location of the color grade inscription on our CZ Master Set Pro 3 stones has changed to a more traditional format. When using a 20x or greater magnification loupe, inscription viewer or microscope, the color grades are now clearly visible on the girdle of each stone.



## **MAINTENANCE**

1. The CZ Master Set Pro 3 is a professional instrument and proper care should always be applied when using it.
2. Always insert the CZ Master Set Pro 3 case into its protective pouch when not in use.
3. To clean the CZ Master Set Pro 3 grading tray, use a paper towel moistened with water and a mild pH soap that is suitable for use on plastic, and gently wipe off any dust or grime that may have accumulated on the tray. Remove any soap residue by using a moistened paper towel with water and then dry it off. Never submerge the case in water or allow the electronics to get wet or the warranty will be void.
4. If using alkaline batteries, always replace the batteries after long periods of time to prevent premature corrosion or battery leakage, which is common with old or spent alkaline batteries after a period of time. Be aware that damage to the CZ Master Set Pro 3 case may occur if there is battery leakage and it will void the warranty.
5. In the event the CZ Master Set Pro 3 case is not used for an extended

period of time, the batteries should be removed.

6. The CZ Master Set Pro 3 case is not user serviceable other than battery replacement. If service is required, please contact your supplier or the **GEMORO**. Any attempt to repair the CZ Master Set Pro 3 case by a user will void the warranty.

### **IMPORTANT DISCLAIMER**

The CZ Master Set Pro 3 is a helpful tool that by design is meant to assist in the process of estimating the color and fluorescence of diamonds. All grading is subjective and determined by the individual. Neither **GEMORO** nor any of its affiliates, dealers, or distributors shall be held liable for any loss and/or damages associated with the use of the CZ Master Set Pro 3. No warranties exist with respect to the CZ Master Set Pro 3 or its use other than those expressly contained herein. All other warranties of any kind or character whatsoever, whether expressed or implied, including warranties of merchantability or fitness for a particular purpose, are hereby disclaimed and are excluded from

the warranties hereunder. In the event that a claim is made with respect to the CZ Master Set Pro 3 or its use, the maximum liability of **GEMORO**, and its affiliates, dealers, and distributors shall be the amount paid for the CZ Master Set Pro 3.

## **WARRANTY**

Congratulations on your purchase of the **GEMORO CZ Master Set Pro 3**! Your CZ Master Set Pro 3 features a 1-YEAR WARRANTY on the storage case and a LIFETIME LIMITED WARRANTY against color change on the master stones. Damage caused by abuse will void the warranty. These warranties become effective from the date of the original purchase assuming the purchaser fills out the WARRANTY REGISTRATION FORM at [sykessler.com/warranty-registration/](http://sykessler.com/warranty-registration/) or the purchaser provides a copy of their invoice (bill of sale) when making a warranty claim. In the event the CZ Master Set Pro 3's owner has not registered their set or provided a copy of their invoice for when they purchased the CZ Master Set Pro 3, warranty service will be determined by the serial number tracking system as

interpreted by the factory. In the event the CZ Master Set Pro 3 is no longer available or has been discontinued and warranty coverage is applicable, at the factory's sole discretion, an equivalent CZ master set and/or case may be substituted for the defective part. The purchaser shall incur the cost for postage, insurance, and handling for all warranty and non-warranty repairs. Warranty repairs and/or replacements will be shipped back to the customer FOB Destination to the location of the customer's choosing if within the Continental United States. Non-warranty repairs will be shipped back to the customer FOB Factory. Should the customer require the repair and/or replacement to be shipped outside the Continental United States, the customer will be required to pay any related shipping charges and any related taxes/duties for the respective destination country, regardless of whether it is a warranty or non-warranty claim.



**GEMORO Superior Instruments**  
Attention: CZ Master Set Pro 3  
Warranty Registration  
10455 Olympic Drive  
Dallas, Texas 75220 USA  
214.351.0380 or 800.527.0719  
FAX 214.351.1903 or 800.832.9871  
[sykessler.com/warrantyregistration](http://sykessler.com/warrantyregistration)  
[gemoroproducts.com](http://gemoroproducts.com)