9223-AA1J-91 **BJGCKK**



Before using the **Display Color Analyzer CA-410 Series**

Please read these instructions before using the instrument

Notes on Instruction Manual and Software

The instruction manual of the instrument and software are contained in the USB flash drive attached as the Standard accessary.

Please read the instructions carefully before use.

Probe and PC Software instruction manual: \\Manual\\ca-s40_instruction_xxx.pdf Probe and Data processor instruction manual: \\ Manual \ ca-410_instruction_xxx.pdf \\ Win \ setup.exe and \\ Mac \ setup.pkg Software installer:

To view the PDF file, you need a PDF viewing software.

The latest instruction manual can be downloaded from the following URL:

http://www.konicaminolta.com/instruments/download/instruction manual/index.html

Safety Symbols

The following symbols are used in this manual or the instrument to prevent accidents which may occur as a result of incorrect use of the instrument.

Denotes a sentence regarding a safety warning or note. Read the sentence carefully to ensure safe and correct use.

Denotes an instruction regarding the risk of electric shock. Read the instruction carefully to ensure safe and correct use.

Denotes an instruction regarding the risk of fire. Read the instruction carefully to ensure safe and correct use.

Denotes a prohibited operation. The operation must never been performed.

Denotes an instruction. This instruction must be strictly adhered to.

Denotes a prohibited operation.

Denotes an instruction. Be sure to disconnect the plug from the outlet.

Never disassemble the instrument. ↑ This symbol indicates alternating current (AC).

This symbol indicates direct current (DC).

This symbol indicates class II protection against electric shock.





For USB Flash drive, if included in package





Safety Precautions

To ensure correct use of this instrument, read the following points carefully and adhere to them. After you have read this manual, keep it in a safe place where it can be referred to any time a question arises. If you pass this instrument to somebody else, make sure to include these instructions.



Do not use the instrument in places where flammable or combustible gases (gasoline, etc.) are present. Doing so may cause a fire.

Always use the AC adapter supplied as a standard accessory or the optional AC adapter (AC-A312F), and connect it to a 100-240 VAC (50/60 Hz) AC outlet of the rated voltage and frequency. If an AC adapter other than those specified by KONICA MINOLTA is used, or if the adapter is connected to an unsupported voltage, it may result in damage to the adapter, fire, or electric shock.

If the instrument will not be used for a long time, disconnect the AC adapter power plug from the AC outlet. Accumulated dirt or water on the prongs of the AC adapter's plug may cause a fire and should be removed. Clean off any dirt or water on the prongs of the AC adapter's plug before use.

Firmly push the AC adapter power plug completely into the outlet. Incomplete insertion may cause fire or electric shock.

When disconnecting the AC power cord's plug, always hold the plug and pull it to remove it. Never pull the AC power cord itself. Doing so may damage the AC power code, causing a fire or electric shock. In addition, do not insert or disconnect the AC power cord's plug with wet hands. Doing so may cause electric shock.

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Do not forcibly bend, twist, or pull the cords or cables. Also, do not scratch, or place heavy objects on the cables. Doing so may damage the cable and cause a fire or electric shock.



Do not disassemble or modify the instrument or the AC adapter. Doing so may cause a fire or electric shock.



Take special care not to allow liquid or metal objects to enter the instrument and the AC adapter. Doing so may cause a fire or electric shock. Should liquid or metal objects enter the instrument, turn the power OFF immediately, disconnect the AC adapter power plug from the AC outlet, remove the battery, and contact the nearest KONICA MINOLTA-authorized service facility.



In the event that a battery leaks and the fluid comes into contact with the eyes, do not rub the eye. Wash it with clean water, and then immediately consult a doctor. If the leaked fluid comes into contact with skin or clothing, immediately rinse with water. In addition, stop using the instrument if the battery has leaked.



Do not dispose of the battery in a fire, short-circuit, heat, or disassemble the battery. Doing so may cause the battery to rupture or leak, which could result in fire or injury.



When disposing of the battery used in this instrument, use tape or some other material to electrically insulate the contacts. Contact with other metals may cause the battery to overheat, rupture, or catch fire. Properly dispose of the battery according to local regulations or recycle the battery.



The instrument should not be operated if it or the AC adapter is damaged, or if smoke or odd smells occur. Doing so may cause a fire. In such situations, turn the power OFF immediately, disconnect the AC adapter plug from the AC outlet, remove the battery, and contact the nearest KONICA MINOLTA-authorized service facility.



Do not insert or disconnect the AC adapter plug with wet hands. Doing so may cause electric shock.



Do not touch the battery with wet hands. Doing so may result in electric shock or a malfunction.



Use Data Processor CA-DP40 to charge the lithium-ion battery. If charging conditions or a charger different from that specified is used for charging, the battery may leak, overheat, or catch fire.



Do not use, charge, or store the lithium-ion battery in a high-temperature environment. Doing so may cause the batteries to overheat, catch fire, or rupture.



Do not throw or submit the lithium-ion battery to strong impacts such as from a fall from a high location. If the lithium-ion battery is deformed or if the built-in protection system is broken, an abnormal current or voltage may be applied to the battery during charging, which may cause the batteries to overheat, rupture, or catch fire.



Do not step on the lithium-ion battery or pierce with a nail or hit with a hammer. If the lithium-ion battery is deformed or if the protection system is damaged, the battery may overheat, rupture, or catch fire.



Should an unusual odor, heat, discoloration, deformation, or other previously unnoticed abnormality occur during use, charging, or storage, remove the battery from the instrument or charger and discontinue use. Continued use of a battery in this condition may cause the batteries to overheat, rupture, or catch fire.



If the lithium-ion battery is found to be leaking or emitting an unusual odor, keep the battery away from any open flames. The electrolytic solution from the battery may catch fire, causing rupture or fire.



Caution (Failure to adhere to the following points may result in injury or damage to the instrument or other property.)



When using the AC adapter, make sure, that an AC outlet is located near the instrument, and that the AC adapter plug can be connected to and disconnected from the AC outlet easily.



When cleaning the instrument, unplug the AC adapter plug from the outlet. Failure to do so may result in electric shock.



Do not use any battery other than that specified for use with the instrument. When inserting a battery into the instrument, be sure to insert the battery correctly according to the polarity (positive +, negative -) display on the instrument. Fire, injury, or stains on surroundings may occur if the battery is damaged or leaking.



Do not use a wet battery.

Doing so may cause the battery to rupture or overheat, which could result in fire or injury.



Do not place the instrument on an unstable or sloping surface. Doing so may result in the instrument dropping or overturning, causing injury. Be careful not to drop the instrument when carrying it as well.



Take care not to pinch yourself on the areas of the instrument that open and close. Doing so may result



ディスプレイカラーアナライザー CA-410 シリーズ ご使用の前に

↑↑ ご使用の前に必ずお読みください

取扱説明書およびソフトウェアについて

本器の取扱説明書およびソフトウェアは、付属の USB メモリー内に格納されています。

説明をよく読んでからお使いください。

取扱説明書プローブ + P C ソフトウェア編 \\ Manual \ ca-s40 instruction xxx.pdf

取扱説明書プローブ+データプロセッサー編 \\ Manual \ ca-410_instruction_xxx.pdf

ソフトウェアインストーラー \\ Win \ setup.exe および \\ Mac \ setup.pkg

取扱説明書の PDF ファイルをご覧いただくには、PDF 閲覧ソフトが必要です。

最新版の取扱説明書は以下のサイトよりダウンロードすることができます。

https://wwws.konicaminolta.jp/instruments/member/support_registration

安全に関する絵表示について

本書または製品に記載の警告や注意には、本器の誤った取り扱いによる事故を未然に防止するために、以下のようなマークを付け ています。

安全に関する警告や注意の文章が記載されていることを示します。

⚠ 記載の文章をよく読んで、正しく安全にお使いください。

感電のリスクに関する指示を示します。

感電のリスクに関するヨカミハしは、こ 記載の文章をよく読んで、正しく安全にお使いください。

火災のリスクに関する指示を示します。

記載の文章をよく読んで、正しく安全にお使いください。

禁止の行為であることを示します。 絶対に行なわないでください。

行為に対する指示を示しています。 必ず指示にしたがって行ってください。



行為に対する指示を示しています。

必ずプラグをコンセントから抜いてください。

禁止の行為であることを示します。

絶対に分解しないでください。

◆ 交流(AC)を表す記号です。

直流 (DC) を表す記号です。

□ 電撃に対する保護の形式がクラスⅡであることを表す記号です。

安全上の警告と注意

本器を使用するときは、必ず以下の事項を守り、正しくお使いください。また、取扱説明書は、よく読んだ上、いつでも見ること ができる場所に大切に保管してください。 他人へ本器を貸す或いは譲渡される際は、必ずこれらの説明書類も合わせてお渡しくだ さい。



警告(取り扱いを誤ると、使用者が死亡または重傷を負う可能性が想定される場合)



引火性・可燃性蒸気(ガソリンなど)のあるところでは使用しないでください。 火災の原因となります。



AC アダプターは必ず当社指定の標準付属品の AC アダプター (AC-A312F) を使用し、100 V **~** (50/60 Hz) の 屋内配線コンセントに接続してご使用ください。指定以外のものを用いたり、異なった電圧に接続すると本器や AC アダプターの破損や火災・感電の原因となります。



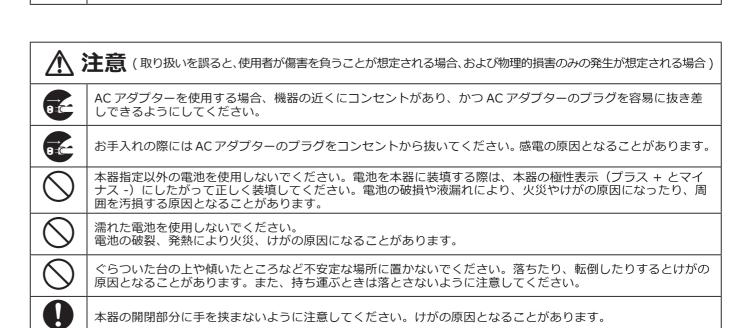
本器を長時間使用しないときは、AC アダプターのプラグをコンセントから抜いてください。AC アダプターのコ ンセントへの差し込み部分にほこりや水滴がつき、火災の原因となります。AC アダプターのコンセントへの差し 込み部分にほこりや水滴が付いている場合は、清掃してご使用ください。



AC アダプターのプラグは根元まで確実に差し込んでください。差し込みが不完全ですと、火災や感電の原因とな ります。

コニカミノルタ株式会社





する原因となります。