USER MANUAL

Range Meter Iron High MI 408



Dear Customer,

Thank you for choosing a Martini product. This manual will provide you with the necessary information for the correct use of the instrument. Please read it carefully before using the meter.

This instrument is in compliance with < € directives

SF	SPECIFICATIONS:
Range	0.00 to 5.00 mg/L Fe
Resolution	0.01 mg/L
Precision	±0.03 mg/L @ 1.50 mg/L
Light Source	Tungsten lamp
Light Detector	Silicon Photocell and 525 nm narrow band interference filter
Method	Adoption of the USEPA method 315 B and Standard method 3500 - Fe B
Environment	0 to 50°C (32 to 122°F); 100% RH max.
Battery Type	1 x 9 volt
Auto-Shut off	After 10' of non-use
Dimensions	192 x 104 x 52 mm (7.5 x 4.1 x 2")
Weight	380 g

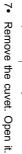
MEASUREMENT PROCEDURE

- 1. Turn the meter on by pressing ON/OFF.
- 2. When the LCD displays "- -", the meter is ready.
- 3. Fill the cuvet with 10 mL of unreacted sample, up to the mark, and replace the cap.
- 4. Place the cuvet into the holder the cap is positioned securely and ensure that the notch on
- 5. Press ZERO and "SIP" will blink on the display. into the groove.
- 6. After a few seconds the disready for measurement. meter is now zeroed and play will show "-0.0-". The



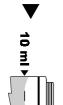


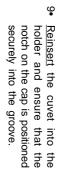




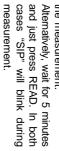
8 Add 8 drops of Fe-0 reagent and shake gently.













11• The instrument directly displays concentration in mg/L of iron.

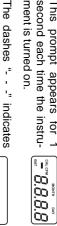
Interferences

- slow down color development. To resolve this neutralize the sample with diluted HCl. Alkalinity above 1,000 mg/L (CaCO₃) will
- Calcium (Ca²⁺) above 1,000 mg/L (CaCO₃)
- (CaCO₃). Magnesium (Mg²⁺) above 10,000 mg/L
- Molybdate, Molybdenum above 25 mg/L
- High Sulfide (S²⁺) concentration.
- down color development. Silica (SiO₂) above 100 mg/L may slow

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GUIDE TO DISPLAY CODES:

second each time the instrument is turned on. This prompt appears for 1



state and zeroing can be pertime the meter is performing a ing "SIP" prompt appears each Sampling In Progress. Flashformed.

that the meter is in a ready

1



"-0.0-", the meter is in a zecan be performed. roed state and measurement

0.0 -

preparation of the zero

measurement.

The blinking "BAT" indicates 61 S

ting low and the battery needs that the battery voltage is get-· *68* -

to be replaced.

must be replaced. Once this indication is displayed, the meter will lock up. Change the battery and restart the meter. "-bA-", the battery is dead and

"Conf", the meter has lost its configuration. Contact your Customer Service Center. dealer or the nearest Martini



inserted.

ERROR MESSAGES

On zero reading

Blinking "-0.0-" indicates that ratio. In this case press ZERO due to a low signal-to-noise the zeroing procedure failed



light to perform a measure-ment. Please check the sample does not contain "L Lo", there is not enough Please check that the not adjust the light level "no L", the instrument can 0



"L Hi", there is too much preparation of the zero ment. Please check the light to perform a measure-



On sample reading

cuvet.

"-SA-", there is too much the right sample cuvet is surement. Please check if light for the sample mea-



"Inv", the sample and the zero cuvet are inverted



procedure for zeroing the tion in the measurement not taken. Follow the instruc-"ZErO", a zero reading was 25-0

> Under range. A blinking make sure you use the sample absorbs less light "0.00" indicates that the same cuvet for reference Check the procedure and than the zero reference (zero) and measurement.

A flashing value of the beyond the programmed and re-run the test. condition. The concentra indicates an over range maximum concentration tion of the sample is range: dilute the sample





MI508-100

ACCESSORIES: Iron high range reagent

MI0004 MI0003 MI0002 MI0001 Stoppers for cuvets (2 pcs) Caps for cuvets (2 pcs) Glass cuvets (2 pcs) (100 tests)

(4 pcs) Tissue for wipping cuvets

9V battery (1 pc)

MI0005

BATTERY REPLACEMENT

Battery replacement must only take place in a non-hazardous environment.

the meter. Simply rotate the battery cover on the back of

paying attention to the corattach a fresh 9V battery while Detach the battery from the terminals and battery and replace rect polarity. Insert the



WARRANTY

from the date of purchase. rials and manufacturing for a period of two years This instrument is warranted against defects in mate-

return the meter to either distributor or our office the original packing and the repair will be free gence or erroneous operation by the user, please is required, where the damage is not due to negli-If during this period the repair or replacement of parts

lack of prescribed maintenance are not covered. Damages due to accidents, misuse, tampering Q