Scale reduces efficiency, and left unchecked can rupture your tube in days. Protect yourself with scale prevention equipment today.

EASY REAGENT REPLACEMENT



COLORMETRY

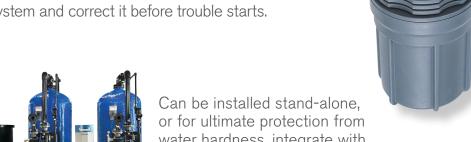
CMU-224HE

WATER HARDNESS MONITOR



REDUCE DAMAGING AND EFFICIENCY-ROBBING SCALE WITH MIURA'S COLORMETRY HARDNESS DETECTOR.

With a control panel that interfaces with Miura's MOM and ER dashboard systems, it's an easy-to-use, time-saving solution. Automatically measure the water hardness levels and detect the slightest hardness leakage in your system and correct it before trouble starts.





water hardness, integrate with Miura's MW Softener System.



FEATURES

- · Automatic monitoring system for water hardness leakage
- Detects the slightest hardness leakage
- Alarm and alert data display
- Interfaces with BL boiler controller
- Memory function tracks most recent alarms
- One-touch cartridge replacement
- Compact design
- Self-calibrating
- Connects to Miura's remote monitoring system (MOM) for added security and protection

SPECIFICATIONS

Item		Colormetry CMU-224HE
Usage		Hardness monitor
Method		Colorimetric analysis
Monitor		5 leakage level indications (as CaCO3) 0mg/L, 1mg/L, 2mg/L, 3mg/L, >5mg/L
Alarm Set Points		Select one from below 4 points ≥1mg/L, ≥2mg/L, ≥3mg/L, ≥5mg/L
Remote Signal Input		No voltage contact input (Contact A or contact B)
Alarm Type		Buzzer
External Alarm Output		Open collector output Maximum capacity: DC24V 70mA
Operation Output		
Cartridge Exchange Output		
Raw Water Pressure		0.05~0.49MPa (7.2~71psi)
Water Temperature		41~104°F (5~40°C)
Operation Temperature		41~122°F (5~50°C)
Humidity		20~90%RH (No condensation, no freezing)
Power		AC24V 50/60Hz
Power Consumption		15W (*1)
Cartridge Replacement		Every 4 months (*2)
Connector Diameter (*3)	Inlet	Diameter 1/4" (Ø6) tube connected
	Outlet	Diameter 5/16" (Ø8) tube connected
Drainage		Approx. 1,000 mL/monitor (*4)
Installation		Indoor, wall mounted (*5)
Weight		4.9lb (2.2kg)
Dimensions		5" (w) x 4" (l) x 20 1/4" (h) (125 (w) x 100 (l) x 515 (h) mm)

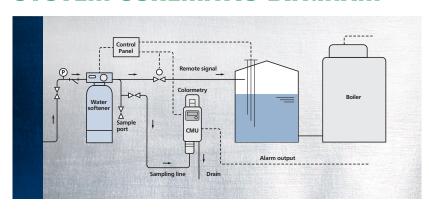
- (*1) Power consumption during operation.
- (*2) The warranty period of a reagent cartridge is 1 year for unopened product or 4 months after opening the pack. The reagent will last approximately 4 months on the basis of an hourly monitor. If monitors are taken every 30 minutes or repeated frequently, the reagent may not last for 4 months.
- (*3) The inlet and outlet tubes are attached to the device.
- (*4) The drainage volume with a constant flow valve is listed. The drainage volume may vary depending on the water temperature or degradation level of a constant flow valve.
- (*5) The mounting bracket is attached to the device.



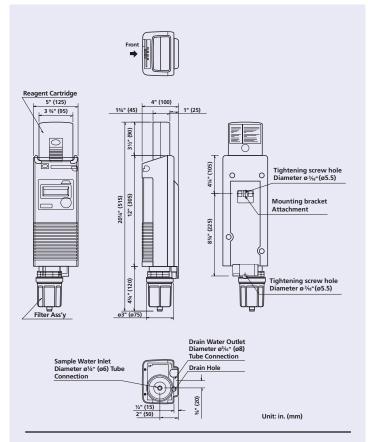
ON-DEMAND STEAM SOLUTIONS

USA: 1-888-309-5574 | Canada: 1-800-666-2182 | miuraboiler.com Worldwide Headquarters | Japan: +81-89-979-7123 | www.miuraz.co.jp Facilities located in: USA | Canada | Brazil | China | Japan | Korea | Mexico | Taiwan

SYSTEM SCHEMATIC DIAGRAM



MEASUREMENT



Caution

- The instructions in the operation manual must be followed exactly.
- 2. Even though Colormetry is a device for hardness leakage detection, excessive contamination other than the composition of hardness in sample water may affect the result. Therefore, the sample water for the device has to be collected directly from outflow of the softener (at ball valve).
- 3. The shelf life for the cartridge is about one year from the date manufactured $\boldsymbol{\theta}$
- 4. Water quality affects the filter. Hard water shortens the filter life.