HMA-CR6 is an on-line colorimetric analyzer for hexavalent Chromium (Cr⁶⁺) in surface water and waste water.

**Features**

- **Low waste solution**
  The amount of waste solution is only 1.1L/month. (at 4H measurement interval)
- **Low reagent consumption**
  No need for reagent change for 1 month.
- **Auto range with automatic dilution**
  HMA-CR6 has two measurement range (0.01 - 2, 0.04 - 5mg/L) which can be changed based on Cr⁶⁺ concentration.
- **Automatic backwashing sample filter**
- **Automatic cleaning with each cycle**
- **Automatic calibration**
- **5.7 inch color LCD touch panel**

**Specification**

- **Product name**: Online Analyzer for Chromium⁶⁺
- **Model**: HMA-CR6
- **Measurement method**: Diphenylcarbazide absorptiometry
- **Measurement Range**: 0.04 - 5 mg/L
- **Repeatability**: Within ±5%
- **Display**: 5.7 inch LCD display
- **Transmission output**: 4 - 20mA (Load resistance less than 600Ω)
  - 2 channels
  - CH1: Measured Data
  - CH2: Temperature of reactor or inside temperature of the panel (selectable)
- **Contact output**: Transfer contact 2 points
  - (220VAC 3A, 24VDC 3A)
  - (1) Equipment Failure
  - (2) Select one from followings
    - (a) In measurement operation
    - (b) Out of upper limit
    - (c) Out of lower limit
- **Sample water conditions**
  - Consumption: 1 - 3L/min
  - Pressure: 20 - 50kPa
  - Temperature: 0 - 50°C
  - SS and colored components must be removed
- **Power requirements**: 220VAC (±10%), 50/60Hz

**Power consumption**: 90VA(max.), 65W(Average)

**Installation**: Ambient temperature: 10 - 40°C
- Ambient humidity: Less than 85%RH
- Indoor installation

**Dimensions**: 600(W)x255(D)x900(H)mm

**Weight**: Approx. 47kg

**Measuring Method**

Hexavalent Chromium (Cr⁶⁺) in the sample reacts with Diphenylcarbazide in acidic solution and forms red-violet colored complex. Concentration of Cr⁶⁺ is calculated based on absorbance at 525nm.

**Options**

- Pure Water Tank: 20L, with level sensor
- Waste Water Tank: 20L, with level sensor
Note
1. Remove Dirt, etc by Thoroughly Flushing the Inside of the Piping
   Before Piping to the Equipment. Dirt in the Piping will Clog the Solenoid Valves.
2. Rack/Mounting Brackets Should be Provided by the Customer.

Product Code

HMACR6-0-

A B

Pure Water Tank

- Included

Wast Water Tank

- None

Markings

- Japanese
- Chinese
- English