

For measuring concentration(Brix) of various liquids continuously in an on-line mode!

IN-LINE
BRIX-MONITOR

CM-780

Cat.No.3546



Up to 100°C!

Lightweight!

Compact!

Reasonable price!

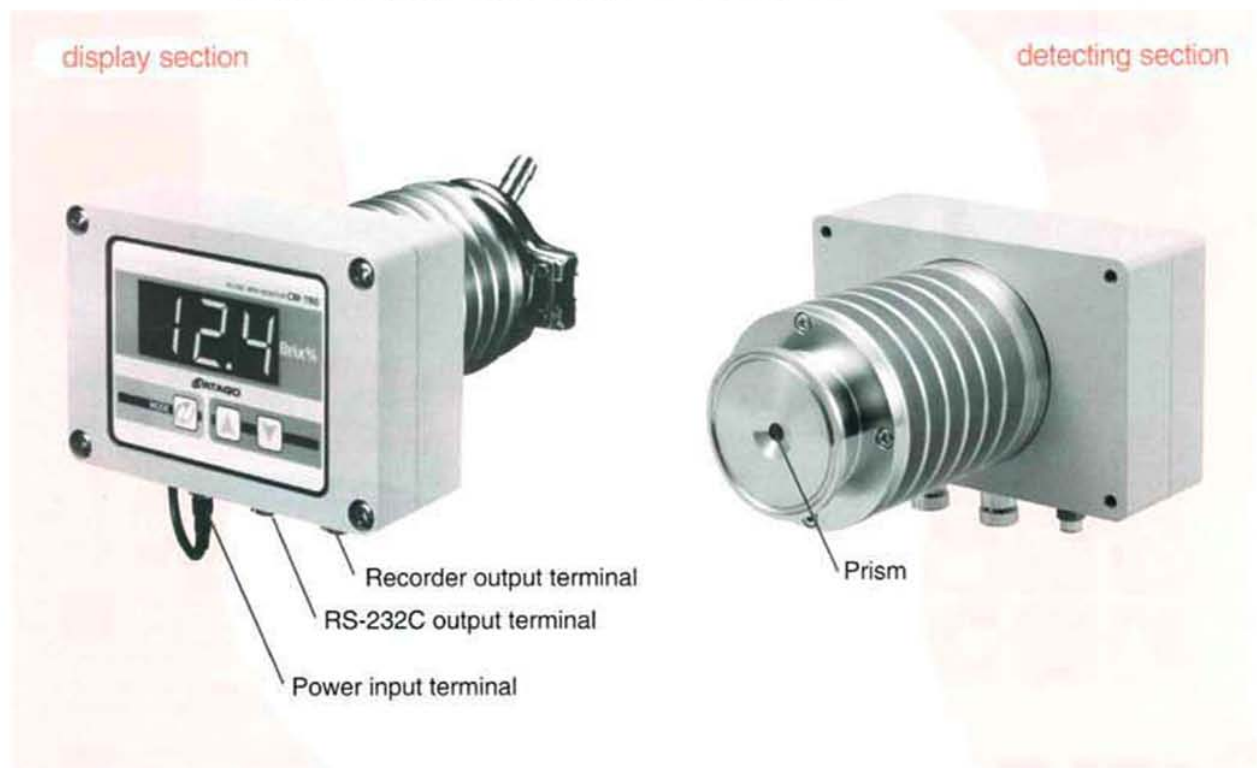
 **ATAGO®**

Characteristics





- Lightweight and compact concentration monitor at a reasonable price.
- The recorder output (4 to 20mA) and the RS-232C output are incorporated to enable automatic control by interlinking with external equipment.
- With automatic temperature compensation according to the sample liquid, correct concentration (sugar content: Brix) is always displayed and output even if the temperature of sample liquid changes.
- CIP cleaning is also possible (the power source must be turned off before starting).
- **Liquid temperature range (Automatic Temperature Compensation range) is 5 to 100°C.**
- CM-780 measures Brix or concentration of the liquid flowing through a pipe at high temperature (up to 100°C).

Application

- Control of mixing, diluting and concentrating processes at food manufacturing plants.
Actual samples : fruit juice, soft drinks, coffee, cocoa, alcoholic drinks, tomato paste, sauce, ketchup, vinegar, pickled liquid, wort, condensed milk, etc.
- Control of fermenting processes.
Actual samples : soy sauce, alcohol, etc.
- Monitoring of change of liquid at the time of product change in food production lines.
- Check of concentration of waste liquid.
Actual samples : waste liquid of sugar, alcohol, chemical, etc.
- Control of hydrocarbon detergents or petrochemical detergents mixed with dirt.
- Control of concentration of diluted solution.
Actual samples : cutting oil, lubricating oil, quenching oil, water-soluble detergent, starch, NaOH, alkaline solution, surfactant, amino acid, ammonia, ethanol, cesium chloride, sodium carbonate, cupric sulfate, citric acid, acetic acid, sodium glutamate, formalin, ethylene glycol, propylene glycol, coating solution, sizing agent, fire extinguishing solution, rust preventive, etc.
- Control of concentration of various solutions.
Actual samples : liquid sugar, fructose, glucose, syrup, albumen, edible oil, vegetable oil, sugarcane/sugar beet, IPA, DMF, PVA, H₂O₂, methylene chloride, coolant and brine solutions, undiluted solution of Chinese medicine, injection, citrus oil glycerin, polymer, gelatin, protein, lotion, etc.



OPTIONS

Sample inlet unit	Stand	AC adapter AD-24(or AD-25)
		
<p>Hose connector 12mm φ (RE-6645)</p>	<p>*Stand(RE-8605) for mounting the CM-780 and the AD-24(or AD-25).</p>	<p>*The AD-24(or AD-25) is an AC adapter used to convert AC100-240V to DC24V and to supply power to the CM-780. *The AD-24: for AC100-120V *The AD-25: for AC220-240V</p>
		
<p>Double Bite Joint 10mm φ (RE-6651)</p>		

- ① Hose connector 12mm φ (RE-6645)
- ② Double Bite Joint 10mm φ (RE-6651)
- ③ Stand(RE-8605)
- ④ AC adapter AD-24(Cat. No.3568) or AD-25(Cat. No.3569)
- ⑤ RS-232C output cable(RE-5647)
- ⑥ Recorder output cable (5m)(RE-5635)
- ⑦ Recorder output cable (10m)(RE-5636)
- ⑧ Recorder output cable (15m)(RE-5638)
- ⑨ Recorder output cable (20m)(RE-5639)

Connection system

○ : Used × : Not used

	IN-LINE BRUX-MONITOR CM-780	Sample inlet unit Hose connector 12mm φ	Sample inlet unit Double Bite Joint 10mm φ	AC adapter AD-24(or AD-25)
①	○	×	×	×
②	○	○	×	×
③	○	×	○	×
④	○	×	×	○
⑤	○	○	×	○
⑥	○	×	○	○

※For further details, please make inquiries to our export department.

Specifications

● IN-LINE BRIX-MONITOR CM-780 ●

Measurement scale : Brix (Automatic Temperature Compensation according to the sample liquid)

Measurement range : Brix 0.0 to 78.0%

Minimum indication : Brix 0.1%

Measurement accuracy : Brix $\pm 0.2\%$

Measurement temperature 5 to 100°C (Automatic Temperature Compensation range) *

Ambient temperature : 5 to 40°C

Output : ① For recorder output:DC 4 to 20mA

② RS-232C output

Materials in contact with the solution: Prism: Sapphire

Prism stage: SUS316

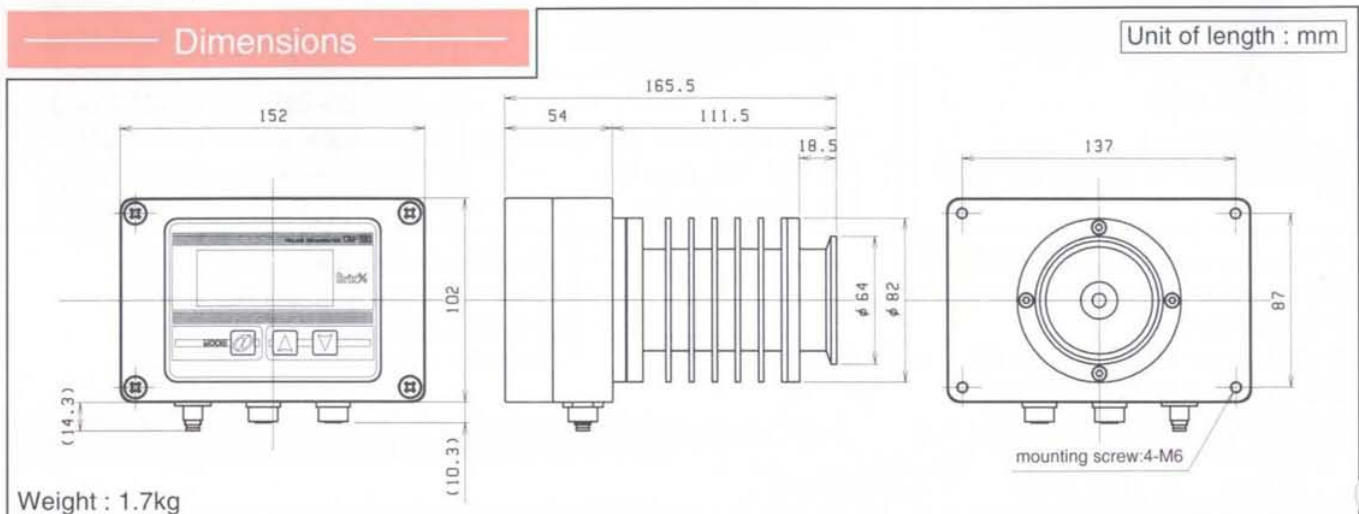
Power supply : DC24V

Accessory : Power cable (2m)

* The liquid up to 130°C can be poured in the CIP or SIP cleaning case.

In this case, the power source must be turned off, and the cleaning liquid should be poured for less than 30 minutes at one time.

And the momentary difference between the sample liquid temperature and the cleaning liquid temperature must be kept at less than 80°C.



EXPLANATION OF ICONS

Icons for functions, specifications and scales have been added to this catalog.



- Connectable with recorder
- Sortie enregistreur
- Verbindung mit Aufzeichnungsgreat
- Collegabile a registratore esterno.
- Conexión para registrador.
- 可與記錄器連結



- Automatic temperature compensation
- Compensation automatique de température
- Automatische Temperaturkompensation
- Compensazione automatica della temperatura
- Compensación de automática de temperatura
- 自動溫度補償



- Calibration with water
- Calibration 1 point* sur eau distillée
- Kalibrierung mit Wasser
- Calibracione con acqua
- Calibración con agua
- 用水歸零



- Interface RS-232C
- Interface RS232C pour PC
- Interface RS232C
- Interfaccia RS232C
- Interface RS232C
- RS-232C輸出



- Continuous measurement
- Mesure en continu
- Kontinuierliche Messung
- Misura in continuo
- Medida continua
- 連續性測量



- Digital display
- Affichage numérique
- Digital Anzeige
- Display digitale
- Pantalla digital
- 數字顯示



- In-line measurement
- Mesure en ligne
- Konstante Messverbindung
- Misura in linea
- Medida "in-line"
- 線上測量



- Heat temperature samples
- Résistant à la chaleur
- Hitzebeständig
- Resistente al calore
- Muestras De Alta Temperatura
- 高溫樣品用



- AC outlet(AC100 to 240V)
- Alimentation secteur(CA 100 à 240 V)
- AC Ausgang (AC 100 bis 240V)
- Uscita AC(AC 100 240V)
- Conexión a 240V CA
- AC插座(AC 100至240V)



HACCP G.M.P. G.L.P.

ATAGO products are acknowledged by HACCP, G.M.P. and G.L.P. systems.

*Specifications and design are subject to change without notice.

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