

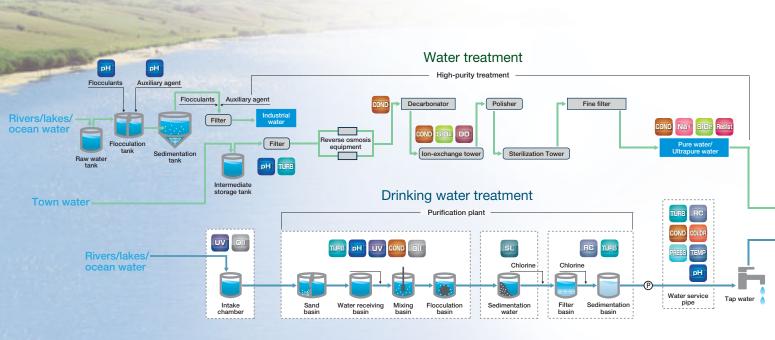
On-Line Industrial Water Quality Analyzer

H-7/48/96

General Catalog

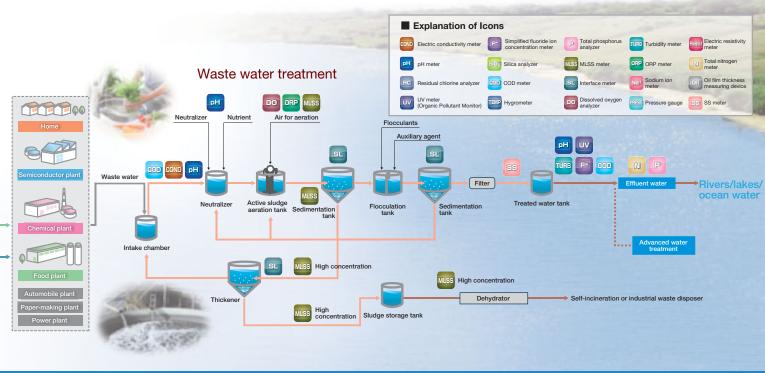


HORIBA provides various solutions from service water to





waste water treatment as a leading water quality inspection company.







pH meter

ORP

ORP meter Best for neutralization reaction

One-touch calibration function Realizes gentle measurement by combination with lead-free ORP electrode

treatment management of aeration tank, denitrification tank, etc. Measure oxidation/reduction potentials of various kinds of solution

Lineup with focus on robustness, functionality and maintainability that responds to harsh conditions at the site process

H-7 Series



HP-200

HP-300

HP-300IS

HO-200

HO-300



HO-300IS

Realizes reduction in size and space savings of storage box. Also environmentally friendly (lead-free electrode and lead-free solder adopted.

48/96 Series



HP-480 HP-480TP HP-960-FTP HP-480PL

HO-480

Comprehensively responds to various kinds of water treatment from deionizer to drainage treatment by full lineup of models.

Various Sensors



Responds to high-load samples with unique tough glass Extensive wash lineup (water/air/ultrasonic wave/brush/chemical liquid)

			Tough	Replaceable tip	Hydroflioric-acid	High-Alkali	Oil	Pure Water	Gel - fill
Standard	1	6108-50B 6109-50B							
	1	6174-50B		•					
	-	6151-50B	•		•				
ı	1	6152-50B							
	1	6171-50B							
Special	1	6172-50B							
	1	6173-50B	•				•		
		HP-8A							
	Ti.	8300/ Other							



Electric conductivity meter (Conductivity)

Best for pure water/boiler water drainage recovery control Responds to various types of temperature compensation



Measures ultrapure water at high accuracy Realizes high-accuracy temperature compensation Established traceability system



Best for pool, simplified service wa desalination unit, etc. Equipped with self-diagnosis



HE-200H HE-200C



HE-300C



HE-300IS



HE-200R



HE-300R



Polarographic type HR-200

Rotating electrode polarographic type **HR-200RT**



HE-960HI HE-480H HE-480C **HE-960CW**



HE480R HE960RW



Polaro type HR-480P

Highest level of temperature responsiveness by adoption of high-accuracy temperature element With temperature compensation Without temperature compensation Sensor lineup that can respond to a wide range of applications

Resistivity_Concentration Model Resist HE-200R HE-300R 1MΩ·cm ERF-001 HE-960RW I MO • cm HE-480R

	Model		Cond (SI units)	0.01µS/cm (1µS/m)	0.1μS/cm (10μS/m)	1μS/cm	10μS/cm (1000μS/m)	(10mS/m)	1000µS/cm (100mS/m)	10mS/cm (1000mS/m)		1000mS/cm (100S/m) 2000mS/cm
4	PP	Series ESH-1	HE-200C HE-300C						2000μS/cm 1000μS/cm			
			HE-480C						2000μS/cm			
•	A PA	FS-01 ESH-01-C -S-SN-1.5S	HE-960CW (2ch)						2000μS/cm			
	/	FES-125F FES-126F	HE-200H								200mS/cm	2000mS/cm
			HE-480H								200mS/cm 500mS/cm	
		FES-300 FES-200	HE-960HI								200mS/cm 500mS/cm	

Thorough pursuit of maintain

RA-10

Overflow type

(HR-200) (HR-480P)



Improvement in maintainability making electrode cartridge type double wash of beads wash + electroch

RA-20

In-line type

(HR-200) (HR-480P)



Improvement in maintainability making electrode cartridge type reduction in maintenance cost + doub beads wash + electrochemical v

RA-30

Rotating electrode polarographic type

(HR-200RT)



Improvement in maintainability making electrode cartridge type less directive influence by flow rate fl lorine

ater system, unction



Realizes both the cartridge method membrane replacement and the membrane internal liquid replacement regeneration system Responds to a wide range of measurements (boiler water/rivers/aeration treatment, etc.)



Best for inflow/effluent monitoring Adopts the scattering method of transmittance 90 degre

Optical type Polarographic type HD-200FL / HD-200



Polarographic type **HD-300**

4 Galvanic battery type HD-480

ability

by and emical wash

by and le wash of vash

by and uctuation 《Galvanic》

DO-5400 DO-5405 $\langle \text{HD-480} \rangle$



Improvement in maintainability by making electrode cartridge type

«Polarographic»

DO-5505 DO-5510

 $\langle \text{HD-200} \rangle$ ⟨HD-300⟩



Only membrane cap and internal liquid require replacement. (Reduction in maintenance costs)

《Optical》

DO-2000 $\langle \text{HD-200FL} \rangle$



Realizes long-term maintenance free by combination of unique ultrasonic cleaners

HU-200TB-IM **HU-200TB-W** HU-200TB-H HU-200TB-EH

Wide range model lineup

SS-150

SS can be measured.

Adopts unique stain-resistant wiper cleaning mechanism (patent-pending) and PFA material head

SS-120-W

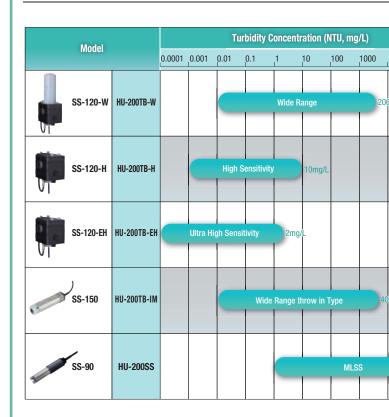
Wide range inlet to outlet handling

SS-120-H

Sensitive measurement with minimum resolution of 0.001

SS-120-EH

Ultrasensitive measurement with minimum resolution of 0.





MLSS meter

Transmits light method in which span calibration is not required Adopts long-life LED light source



Simplified fluoride ion concentration meter

Best for drainage control of semiconductor/FPD plants, glass plants, etc.



Color meter

Best for chromaticity control of distributed water and filtrate water of water treatment plants Open-front cylindrical cell for easy maintenance

Realizes maintenance free by combination of wiper cleaners



es

0001

10000 100000

00mg/L

00mg/L

HU-200SS



HC-200F



HC-300F



HU-200CL

SS-90



Adopts stain-resistant PFA sensor with superior near-infrared light permeability

1009



Wide range of 0-10,000mg/L (Range switchover extends to 10 levels)

CI-20



Thorough pursuit of maintainability

Other analyzers for water treatment

Realizes lowest lifecycle cost in the industry (internal investigation in 2013)

From response to total volume control to an enterprise that emphasizes compliance

TPNA-500

[Measurement method] Total nitrogen: UV absorption method Total phosphorus: Molvbdenum blue Molybdenum blue absorption method [Measurement range] Total nitrogen: 0-2mgN/L (standard range) ~ 0-1,000mgN/L (Max.) Total phosphorus: 0-0.5mgP/L (standard range) ~ 0-250mgP/L (Max.)



Automatic COD monitor with low running cost and the highest-level performance realized by the most advanced technology and traditional

Automatic COD Monitor

CODA-500-A, C Acids /500-B Alcales

[Measurement method] CODA-500 A, C (Acid Potassium Permanganate CODA-500-B (Alkaline Potassium Permanganate Method) [Measurement range] 0-20mg/L 0-30, 40, 50, 100

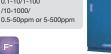


Continuously measures fluoride ion concentrations at high accuracy

Automatic Fluoride Ion Monitoring System

FLIA-101

Fluoride ion electrode method [Measurement range] 0.1-10/1-100 /10-1000/



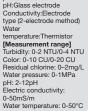
For pharmaceutical water production Purified Water(PW), Water for injection(WFI) and Highly Purified Water(HPW)



Installed in a service water facility and at the ends of service water pipes and water supply pipes to automatically monitor daily inspection items without reagents (turbidity, chromaticity and residual chlorine)

TW-100

[Measurement method]
Turbidity/Color:Transmitted
light absorption
Free chlorine:Polarography
Water pressure:Diaphragm
pressure sensor
pH:Glass electrode















Oil Film Detector (Las

LO-300

Surface scanning laser/reflected light

sensor
[Measurement target]
Floating oil Im on a water
surface and floor surface
(gasoline, kerosene, light
oil, heavy oil, insulating
oil, lubricating oil, etc.)







For water quality total volume control, water quality monitoring of raw water and organic pollutant monitoring in water quality process line

Organic Pollutant Monitor (u

OPSA-150

[Measurement method] 2 light path 2 wavelength cell length modulation rotary type(UV absorbance) "Patent

"Patent
[Measurement range]
UV absorbance/VIS
absorbance
(Cell 10mm conversion)
0-0.1Abs or 0-5.0Abs of
full-scale (It can be set at 0.1Abs intervals.)





Adopts reliable ion electrode method Provides measurement values with long-term stability Automatic Ammonium Ion Monitoring Syste

AMNA-101 Continuous /102 Intermittent measurement method /102

[Measurement method]
Diaphram ammonia
electrode method [Measurement range] 0.01-1.0*/ 0.1-10*/0.5-50/ 1-100/5-500/ 10-1000ppmNH+ Or ppmN/NH+, any of

*Except for AMNA-102



Continuos UV oxidation and conductivity differens measuremant

TOC meter (Total organic cart

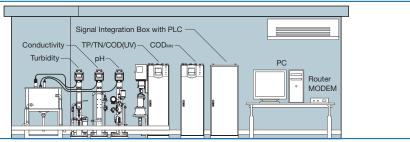
[Measurement range] 0-1000ppb

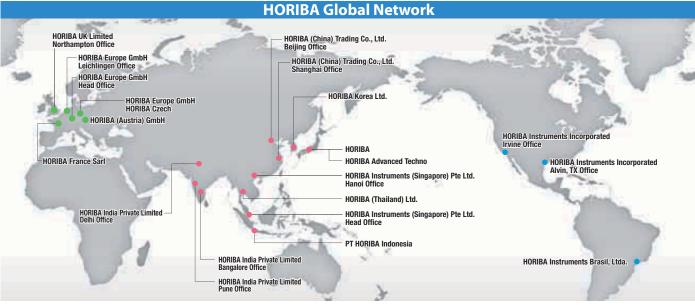
HT-110



Water Quality Monitoring System

As the item to watch water quality, we offer the following automatic analytical instruments.







The HORIBA Group adopts IMS (Integrated Management System) which integrates Quality Management System IS09001, Environmental Management System IS014001. and Occupational Health and Safety Management System OHSAS18001 We have now integrated Business Continuity Management System ISO22301 in order to provide our products and services in a stable manner, even in emergencies



Please read the operation manual before using this product to assure safe and proper handling of the product.

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