

# Full Lineup of Highly-Reliable Sensors for Various Applications

- Waterproof sensors perfect for field measurements.
- The "Cal-Memo" sensor is designed for validation support and its built-in memory stores calibration data and cell constants automatically. It is suitable for advanced measurement control.
  - Can store calibration data and cell constants
  - Realizes advanced measurement control
  - Free of setting errors of cell constants and ion types
- Our original built-in floating for monitoring the internal solution concentration allows the user to instantly recognize when the solution needs to be replaced (pH/ORP).



## [pH/ORP]

Electrode	Use	Meas.Range	Lead Length	Remarks
pH combination electrode "Cal-Memo" GST-2729C <small>Waterproof type</small>	General environment/immersion	pH0~14 0~100°C	1m (Standard)	Electrode with HM-31P/WM-32EP/IM-32P/DO-32P fitted as standard (Lead length: 1 m) Approval of type by Measurement Law
			3m	
			5m	
			11m	
pH combination electrode "Cal-Memo" GST-2739C <small>Waterproof type</small>	General environment/immersion	pH0~14 0~100°C	1m (Standard)	Electrode with HM-30P fitted as standard (Lead length: 1 m) Approval of type by Measurement Law
			3m	
			5m	
			11m	
pH combination electrode "Cal-Memo" GST-5841S	Organic solvent-containing solution	pH0~14 0~100°C	1m	Approval of type by Measurement Law
pH combination electrode "Cal-Memo" ELP-040	Fluorinated acid solution-resistance* 1</td <td>pH2~12 0~50°C</td> <td>1m</td> <td>Replaceable type glass electrode tip glass electrode tip (5082L)</td>	pH2~12 0~50°C	1m	Replaceable type glass electrode tip glass electrode tip (5082L)
ORP combination electrode "Cal-Memo" PST-2729C <small>Waterproof type</small>	General environment/immersion	0~±2000mV 0~100°C	1m (Standard)	
			5m	
			11m	
ORP combination electrode PST-2739C <small>Waterproof type</small>	General environment/immersion	0~±2000mV 0~100°C	1m (Standard)	Electrode with RM-30P fitted as standard (Lead length: 1 m)
			5m	
			11m	

\*1 The glass electrode is affected by fluorinated acid solution. However, because this product is a replaceable type glass electrode tip, a reduction in operating costs can be expected. In regards to measuring the 1% fluorinated acid solution (at 25°C, for 1 min.), approximately 1000 measurements can be performed.

Product Name	Code Number
pH4.01 standard solution, 500 mL	143F191
pH6.86 standard solution, 500 mL	143F192
pH9.18 standard solution, 500 mL	143F193
Reference electrode internal solution RE-4, 50 mL (3 bottles)	OBG00011
ORP check solution (pH4.01 standard solution, 500 mL + quinhydrone powder)	143F196
Abrasive for ORP electrode, 10mL	AO-001



## [Electrical Conductivity]

Cell	Use	Meas.Range (Cell Constant)	Lead Length	Remarks
Electrical conductivity cell "Cal-Memo" CT-27112B <small>Waterproof type</small>	General environment/immersion	0.1mS/m~10S/m(250m <sup>-1</sup> ) 0~80°C	1m (Standard)	Cell with CM-31P/WM-32EP fitted as standard (Lead length: 1 m)
			5m	
			11m	
Electrical conductivity cell "Cal-Memo" CT-27111D	pure water measurement/flow-through type	5μS/m~20mS/m(1m <sup>-1</sup> ) 0~80°C	1m	Cell with CM-31P-W fitted as standard <Flow cell sold separately.>*2 Note: Cannot be connected to WM-32EP.
Electrical conductivity cell "Cal-Memo" CT-57101B	General environment/tabletop use	100μS/m~10S/m(100m <sup>-1</sup> ) 0~100°C	1m	
Electrical conductivity cell "Cal-Memo" CT-57101A	High electrical conductivity/tabletop use	1mS/m~100S/m(1000m <sup>-1</sup> ) 0~100°C	1m	
Electrical conductivity cell "Cal-Memo" CT-57101C	Low electrical conductivity/tabletop use	5μS/m~1S/m(10m <sup>-1</sup> ) 0~100°C	1m	Note: When you perform measurements in pure water, you must use CT-27111D.

\*2 If you order the full CM-31P-W set, a flow cell is also fitted as standard.

Product Name	Code Number
Conductivity cell check solution C (140.9mS/m at 25.0°C), 100 mL (4 bottles)	OB100001
Conductivity cell check solution B (1286mS/m at 25.0°C), 250 mL (2 bottles)	OB100002
Flow cell (made of PP)	CEF-22A
Flow cell (made of SUS)	CEF-23A



## [DO]

Electrode	Use	Meas.Range	Lead	Remarks
DO electrode "Cal-Memo" OE-270AA <small>Waterproof type</small>	Immersion/Throw-in use	If a standard membrane is used: 0~20mg/L If a high concentration membrane is used: 0~50mg/L (High concentration membrane set is sold separately.)	3m (Standard)	Electrode with DO-31P/DM-32P fitted as standard (Lead length: 3 m)
			5m	
			11m	
DO electrode "Cal-Memo" OE-570BA <small>Waterproof type</small>	Immersion/Throw-in use	0~50mg/L 0~50°C (High concentration membrane set is sold separately.)	3m (Standard)	Can be used to conduct zero flow rate measurements
			5m	
			11m	
DO electrode "Cal-Memo" OE-470AA	Incubator bottle	0~20mg/L	1m	Equipped with a stirring function. (Recommended for conducting BOD measurements)
DO electrode "Cal-Memo" OE-470BA	Incubator bottle		1m	Can be used to conduct zero flow rate measurements



Product Name	Code	Remarks
DO module	OEC-002	Exclusive to OE-270AA One-touch fitting type featuring an integral construction made up of an electrode, membrane, and electrolysis solution.
Membrane set for OE-270AA (3 sets)	OCC00001	For OE-270AA (standard measurement)
Membrane set for OE-270AA (high concentration DO) (3 sets)	OCC00002	For OE-270AA (high concentration measurement)
Membrane set for OE-570BA (3 sets)	OCC00023	For OE-570BA (standard measurement)
Membrane set for OE-570BA (high concentration DO) (3 sets)	OCC00024	For OE-570BA (high concentration measurement)
Membrane set for OE-470AA (3 sets)	OCC00003	For OE-470AA (measurement)
Membrane cartridge for OE-470AA (5 pieces)	OCT-2502	For OE-470AA (measurement)
Membrane set for OE-470BA (3 sets)	OCC00022	For OE-470BA (measurement)
Underwater stirrer	OSM00002	For OE-270AA/570BA
Electrolysis solution R-9, 50 mL (3 bottles)	OBG00007	For OE-270AA/570BA/470AA/470BA
Sodium sulfite 50 g	143A030	Used for preparing zero solution