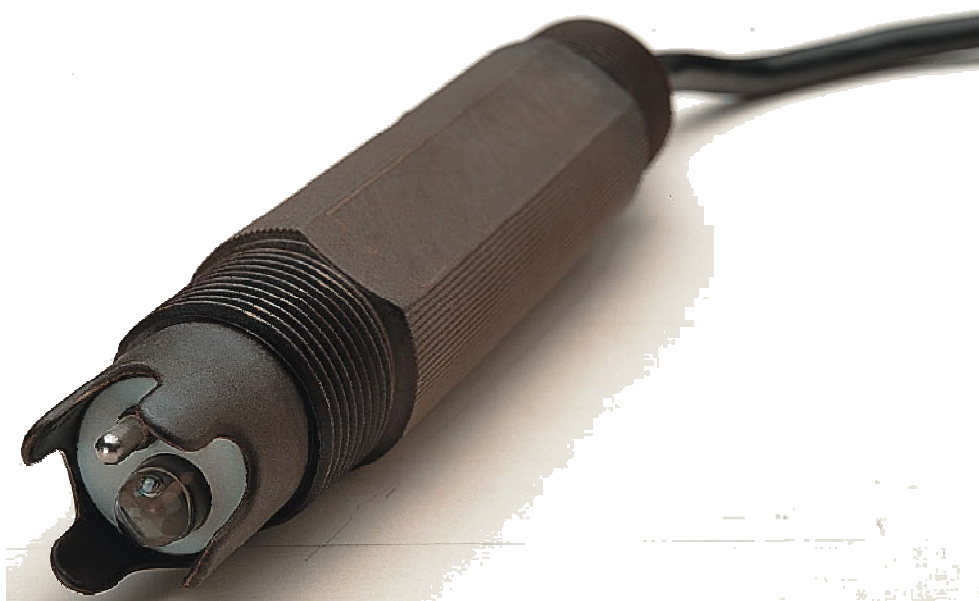


Instruction Manual

EC100GTSO05B Rhyton Body pH Combination Electrode



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PIN CONNECTOR WITH EUTECH ALPHA CONTROLLERS

Electrode Model	Colour Code	Eutech alpha pH 200	Eutech alpha pH 500	Eutech alpha pH 550/560	Eutech alpha pH 800	Eutech alpha pH 1000	Eutech alpha pH 2000P	Eutech alpha pH 2000W
		Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.	Pin No.
EC100GTSO05B (With Pt 100 ATC & potential matching pin PMP)	White	14	5	5	18	18	25	25
	Black	13	6	6	19	19	26	26
	Red	15	7	7	20	20	24	24
	Blue	4	8	8	21	21	27	27

HANDLING

Rinse electrode with distilled water before and after measuring a sample. Blot the end of the electrode with lint-free paper to remove excess water.

Note: Never wipe the electrode to remove excess water – wiping can create static charges that interfere with correct pH measurement.

CONDITIONING

pH electrodes are shipped with the electrodes moist. Remove the protective cap or rubber boot from the bottom of the sensor and rinse the electrode with distilled or demonized water.

Place the electrode in a clean container containing one of the liquids i.e. 4.0 M KCl or pH 4.0 buffer or pH 7.0 buffer. Soak electrode for 20 minutes.

Note: Never condition the electrode in distilled water or demonized water – long term exposure to pure water will damage the special glass membrane.

After conditioning the sensor, rinse the electrode with distilled or demonized water. The electrode is ready for calibration and measurement.

STORING

Always keep pH electrode moist. Proper pH electrode storage maximizes electrode performance and extends electrode life. It is best to store electrodes in clean containers filled with pH storage solution. Do not store an electrode in distilled water or demonized water – this will cause ions to leach out of the glass bulb and render your electrode useless.

CLEANING

The solution used to clean pH electrode depends on the presence of possible contaminants. Use the guide below to choose the appropriate solution:

- For general cleaning soak the pH electrode in 0.1 M HCL or 0.1 M HNO₃ for 20 minutes
- For removing stubborn deposits and bacteria, soak the pH electrode in a 1:10 dilution of household laundry bleach for 10 minutes.
- For removal of oil and grease, rinse the pH electrode with mild detergent or methanol
- For removal of protein deposits, soak the pH electrode in 1% pepsin in 0.1 M HCl for 5 minutes.

After any of the cleaning procedure, thoroughly rinse the pH electrode with demonized water, drain and refill the reference chamber, and soak the electrode in storage solution for at least an hour.

Caution: Proper eyewear and hand gloves must be used when handling strong chemicals.

WARRANTY

This electrode is supplied with a six-month warranty against significant deviations in material and workmanship.

Exclusions

The warranty on your instrument shall not apply to defects resulting from:

- Improper or inadequate maintenance by customer
- Unauthorised modification or misuse
- Operation outside of the environment specifications of the products

RETURN POLICY

Please obtain authorisation from our Customer Service Department or authorised distributor before returning items for any reason. A "Return Goods Authorisation" (RGA) form is available through our authorised distributor. Please include data regarding the reason the items are to be returned. Items must be carefully packed to prevent damage in shipment and insured against possible damage or loss. Eutech Instruments/ Oakton Instruments will not be held responsible for damage resulting from careless or insufficient packing. A restocking charge will be made on all unauthorised returns.

NOTE: Eutech Instruments Pte Ltd reserves the right to make improvements in design, construction, and appearance of products without notice.

As of the date of preparation of this document, the foregoing information is believed to be accurate. However, no warranty or representation with respect to such information is intended or given.