

MODEL 876-25 CHLORINE SAMPLE PANEL

Specification

Physical Data	
<i>PROPERTY</i>	<i>CHARACTERISTIC</i>
Display	Four and one half LCD digits, 1.5 cm (0.6 in) displays for total free available chlorine (tFCl) and free available chlorine (HOCl), pH, temperature, efficiency, error codes, prompts and diagnostic information (<i>back-lit display optional</i>).
Display Ranges	Total free available chlorine (tFCl): 0.00 mg/L to 5.00 mg/L Free available chlorine (HOCl): 0.00 mg/L to 2.00 mg/L pH: 0 pH to 14 pH units Temperature: -5.0 °C to 105 °C (23.0 °F to 221 °F)
Keypad	8 pushbutton entry keys
LED's	2 alarms (A and B), 1 auto, 1 error
Analyzer Dimensions	12.0 cm (H) × 20.0 cm (W) × 7.5 cm (D) (4.7 in (H) × 7.9 in (W) × 3.0 in (D))
Panel Dimensions	36 cm (W) × 66 cm (H) / 14 in (W) × 26 in (H)
Weight	9.1 kg (20.0 lb)
Shipping Weight	11.4 kg (25.0 lb)
Shipping Dimensions	71 cm × 41 cm × 20 cm (28 in × 16 in × 8 in)
Environmental Data	
<i>PROPERTY</i>	<i>CHARACTERISTIC</i>
Temperature	Operational: 5.0 °C to 45 °C (41.0 °F to 113 °F) Storage: -10.0 °C to 55 °C (14.0 °F to 131 °F) Relative Humidity: 95 % maximum; non-condensing
Environment Ratings	Housing: IP65 (Nema 4X) Pollution Degree: 2 Installation Category: II
Electrical Ratings	115/230 VAC, 0.25 A, 50/60 Hz
Electrical Requirements	115/230 VAC ± 10 %, 50 W

MODEL 876 CHLORINE & pH ANALYZER

Specification

Operational Data	
PROPERTY	CHARACTERISTIC
Accuracy	Chlorine: $\pm 2\%$ of measured range <i>or</i> 0.02 mg/L, whichever is greater. pH: $\pm 2\%$ of measured range Temperature: $\pm 0.1\text{ }^{\circ}\text{C}$
Precision	Chlorine: ± 1 digit <i>or</i> 0.01 mg/L, whichever is greater. pH: ± 1 digit (0.01 pH) Temperature: $\pm 0.1\text{ }^{\circ}\text{C}$
Response Time	90 % within 5 s (default), function of flow and temperature. Damping adjustment: 3 s to 99 s
Temperature Compensation	Automatic temperature compensation via 1000 Ω Pt RTD. Auto: $-5.0\text{ }^{\circ}\text{C}$ to $105\text{ }^{\circ}\text{C}$ ($23.0\text{ }^{\circ}\text{F}$ to $221\text{ }^{\circ}\text{F}$) Manual: $-5.0\text{ }^{\circ}\text{C}$ to $105\text{ }^{\circ}\text{C}$ ($23.0\text{ }^{\circ}\text{F}$ to $221\text{ }^{\circ}\text{F}$)
Sample Conditions	Flow: 50 mL/min to 500 mL/min Temperature: $2\text{ }^{\circ}\text{C}$ to $45\text{ }^{\circ}\text{C}$ ($35.0\text{ }^{\circ}\text{F}$ to $113\text{ }^{\circ}\text{F}$) Pressure: $< 400\text{ kPa}$ (60 psi, 4 bar) Drain: Atmospheric
Sample Inlet	1/2 in barb fitting
Sample Outlet	1/2 in barb fitting
Security	3 access-level security; partial and/or all settings may be protected via 3 and/or 4 digit security code.
Alarms	Two independent, assignable, programmable, configurable, failsafe NO/NC alarm relays; SPDT, Form C, rated 10 A 115 V/5 A 230 V.
Outputs	Two continuous, assignable, programmable 4 mA to 20 mA, or 0 mA to 20 mA outputs; isolated, max. load 600 Ω ; Convertible from 1 VDC to 5 VDC or 0 VDC to 5 VDC.
Communication	Via RS485 bidirectional serial data port; require IC Net™ 2000 software.