

Series 9782 Analyzer

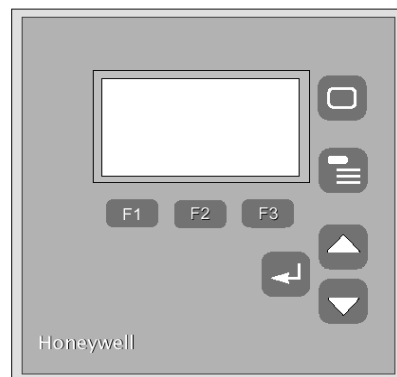
Model Selection Guide

9782 Analyzer Offers:

- Backlit Display
- 120/240 Volt Power Requirements
- All models CE Compliant
- All conductivity models are 2 cell inputs
- Built-in software for ON/OFF, Duration Adjusting and Pulse
- Frequency Type Discrete Control with Standard and/or Optional relays,
- Menu Driven Prompts for Display / Programming / Maintenance,
- Text messages for Alarms/Diagnostics
- FM/CSA Haz. Loc. Approval, Class I, DIV 2 (relays rated for 120V max)
- Optional:
Built-in software for proportional only Current Adjusting type control with the selection of a 4-20 mA output(s)

9782S - Specific Ion Analyzer Offers:

- All of the above
- All Specific Ion models include one 4-20mA output and 4 relays
(No other options from Table II)



Instructions

- Select the desired key number. The arrow to the right marks the selection available.
- Make one selection from Tables using the column below the proper arrow.
A dot (•) denotes unrestricted availability.

Key Number I II III IV
 [] - [] - [] - [] - []

KEY NUMBER	Description	Selection	Availability		
	pH/ORP	9782P	↓		
	Conductivity	9782C		↓	
	Specific Ion	9782S			↓

TABLE I - INPUTS

pH/ORP Electrodes:

pH from External Pre-amp	01	•		
Direct Glass/Antimony pH/ORP Electrode/Internal Pre-amp	02	•		
Direct DURAFET pH electrode, Internal Pre-amp	03	•		
Direct Glass from HPW7000, Hi-pHurity Water Assembly, (Note 2)	04	•		
Internal Preamp				

Conductivity Cells:

Range	Standard	(Note 3)	S0		•	
	Wide	(Note 4)	W0		•	

Specific Ion:

Range - 0.001 to 1990		0M			•
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TABLE II - AVAILABLE OUTPUTS	Selection	Availability		
		9782 ↓	↓	↓
		P	C	S
No Outputs or Additional Relays	00	•	•	
0-1V & 0-10 V and 4-20 mA	VC	•	•	
Two 4-20 mA	C2	•	•	
Three 4-20 mA	C3	•	•	
Two Additional Relays - Hermetically Sealed and 0-1V, 0-10V, 4-20 mA output	R0	•	•	•

TABLE III - OPTIONS

User's Manual	English	E _ _ _ _	•	•	•
	French	F _ _ _ _	•	•	
Pipe Mounting Kit	None	_ 0 _ _ _	•	•	•
	Pipe Mounting Kit	_ 1 _ _ _	•	•	•
Tagging	None	_ _ 0 _ _	•	•	•
	Linen (Note 1)	_ _ L _ _	•	•	•
	Stainless Steel (Note 1)	_ _ S _ _	•	•	•
Power	Factory Set 120 Volt Operation	_ _ _ 0 _	•	•	•
	Factory Set 240 Volt Operation	_ _ _ 1 _	•	•	•
	(Relay contacts rated for 120 volt maximum)				
Certificates	None	_ _ _ _ 0	•	•	•
	Calibration (F3399)	_ _ _ _ 1	•	•	•
	Conformance (F3391)	_ _ _ _ 2	•	•	•
	Calibration & Conformance	_ _ _ _ 3	•	•	•

TABLE IV

Factory Use Only		BD	•	•	•
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Note 1: Customer must supply tagging information; Up to 3 lines allowed.
(22 characters for each line)

Note 2: This option for use with HPW7000 assembly only.

Note 3: Standard range should be selected if measuring the following conductivity, resistivity or TDS ranges:

STANDARD RANGE		
Conductivity	TDS	Cell Constant
0-1.999	0-1999 ppb	0.01
0-19.99	0-19,990 ppb	0.1
0-199.9	0-199.9 ppm	1.0
0-1999	0-1999 ppm	10
0-19,990	0-10,000 ppm	25 or 50
Resistivity		Cell Constant
0-19.99M		0.01
0-1.999M		0.1
0-199.9k		1.0
0-19.99k		10
0-1.999k		25 or 50

Note 4: Wide range should be selected if measuring the following conductivity, TDS or weight % concentration ranges:

WIDE RANGE		
Conductivity	TDS	Cell Constant
100-1999	0-1999 ppm	0.1
1000-19,990	0-19,990 ppm	1.0
10-199.9 mS	0-199.9 ppt	10
10-500 mS		25
20-1000 mS		50
Weight % Concentration		Cell Constant
0-18.00% Hydrochloric Acid		50
0-19.99% Sulfuric Acid		50
0-19.99% Sodium Hydroxide		25 or 50
0-19.99% Sodium Chloride		25 or 50

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Accessories and Replacement Parts

PARTS COMMON TO ALL 9782 ANALYZERS

	Description	Parts Included in Kit	Quantity
51198177-501	Miscellaneous parts for all 9782 controller/analyzers	120 volt fuse	1
		240 volt fuse	1
		upper card retainer bracket	1
		lower card retainer bracket	1
		screws for retainer brackets	2
51198063-501	Output card: single current or voltage output	card	1
		installation instructions	1
51198064-501	Output card: single current or voltage output with two additional hermetically sealed relays	card	1
		installation instructions	1
51198065-501	Output card: two additional general purpose relays and no analog outputs	card	1
		installation instructions	1
51198066-501	For replacement of existing card (2 current outputs) on pH/cond. analyzer	card	1
		installation instructions	1
51198067-501	For replacement of existing card (3 current outputs) on pH/cond. analyzer	card	1
		installation instructions	1
51198176-501	Non Backlit LCD Display	display	1
		installation instructions	1
51198176-502	Backlit LCD Display w/solid state LED	display	1
		installation instructions	1
51205783-501	Bezel (front cover w/keypad)	bezel	1
		installation instructions	1
51205501-501	Power Supply PC	card	1
		installation instructions	1
51205502-501	Microprocessor PC	card	1
		installation instructions	1
51205503-501	Backplane PC	card	1
		installation instructions	1
51198095-501	Display cable	cable	1
51198068-501	Case	case (no bezel)	1
079163	Power line filter kit	filter cores	4
		installation instructions	1
084711	Pipe/wall mounting kit	2 U-bolts for 1 in. pipe	1
		2 U-bolts for 2 in. pipe	1
		mounting plate	1
		hardware	
056348	Panel mounting kit	panel bracket	1
		fuse	
		hardware	
		installation instructions	1
056349	Reducer panel kit	panel	1

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Accessories and Replacement Parts

PARTS USED BY CONDUCTIVITY 9782 ANALYZER ONLY

Kit/Part Number	Description	Parts Included in Kit	Quantity
Effective Date: Nov	For upgrade of conductivity analyzer Wide Range: 2 current outputs	card	1
		prom	1
		installation instructions	1
51198066-504	For upgrade of conductivity analyzer Standard Range: 2 current outputs	card	1
		prom	1
		installation instructions	1
51198067-503	For upgrade of conductivity analyzer Wide Range: 3 current outputs	card	1
		prom	1
		installation instructions	1
51198067-504	For upgrade of conductivity analyzer Standard Range: 3 current outputs	card	1
		prom	1
		installation instructions	1
51198074-501	Replacement conductivity standard range input card	card	1
		installation instructions	1
51198087-501	Replacement conductivity wide range input card	card	1
		installation instructions	1
51198174-501	Bezel ass'y. for Non Backlit Display Units Wide & Standard Range Conductivity	assembly	1
		installation instructions	1
51205779-501	Bezel ass'y. for Backlit Display Units Wide & Standard Range Conductivity	assembly	1
		installation instructions	1

PARTS USED BY pH/ORP 9782 ANALYZER ONLY

51198066-502	For upgrade of pH analyzer Output Card: 2 current outputs	card	1
		prom	1
		installation instructions	1
51198067-502	For upgrade of pH analyzer Output card: 3 current otuputs	card	1
		prom	1
		installation instructions	1
51198172-501	Replacement pH input card	card	1
		installation instructions	1
51198173-501	Bezel ass'y. for Non Backlit Display Units pH/ORP	assembly	1
		installation instructions	1
51205778-501	Bezel ass'y. for Backlit Display Units pH/ORP	assembly	1
		installation instructions	1
51198056-501	Internal preamp for use with glass/ORP	preamp	1
		mounting rivets	4
		installation instructions	1
51198057-501	Internal preamp for use with Durafet	preamp	1
		mounting rivets	4
		installation instructions	1

PARTS USED BY SPECIFIC ION 9782 ANALYZER ONLY

51198170-501	Input card for specific ion analyzer	card	1
		installation instructions	1
51198171-501	Bezel ass'y. for Non Backlit Display Units Specific Ion	assembly	1
		installation instructions	1
51205780-501	Bezel ass'y. for Backlit Display Units Wide & Standard Range Conductivity	assembly	1
		installation instructions	1

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Accessories and Replacement Parts

preamp-to-instrument cable for 7758-06 7773-70, 7774-10, -50, -70, and -90, and all 7777 mountings

Kit/Part Number	Description	Parts Included in Kit	Quantity
31075723	20 ft length with quick disconnect and tinned leads	cable	1
51309677-001	50 ft length with quick disconnect and tinned leads	cable	1
51309677-002	100 ft length with quick disconnect and tinned leads	cable	1
51309677-003	200 ft length with quick disconnect and tinned leads	cable	1

pre-amp-to-instrument cables for 7758-01, 05, 7773-10, -12, -50, -52, -60, -62, and 7774-30, 60, -80 mountings

834023	Six-conductor cable (specify length)	cable	1
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