orbeco HELLIGE

SC400 Series

Single Parameter Colorimeters

DATA STORAGE
- 16 point internal data storage with time and date stamp.

USER CALIBRATION MODE
- Allows user to calibrate instrument to any government or organizational standard (for example N.I.S.T. or ISO).
- If the user is testing in a very specific range, resolution can be improved.
- Can be used to account for any interferences that are known to be present in the sample.

DISPLAY
- Large, easy to read LCD display with indigo blue backlight for low level light conditions.
- Resolution to 0.01.

WIDE VARIETY OF PARAMETERS
- Most instruments in the SC400 series offer multiple ranges and methods.
- Many instruments have the flexibility to use our Powder Pack,™ tablet and/or liquid reagents.

SC400 HOUSING
- Angled, ergonomic design for easy benchtop or hand-held use.
- Waterproof
- No separate or moving pieces -- our innovative light shielding rings eliminate the need for a separate light shield, which can easily be broken or lost.

SC400: Single Parameter Colorimeters

The SC400 is Orbeco-Hellige's series of rugged, waterproof, single parameter colorimeters for laboratory and field testing. Available in a wide range of parameters, the SC400 mainly uses powder pack and tablet chemistries, ensuring accurate doses of reagents.

The instrument features a large, backlit display for easy viewing of results, as well as a real time clock, datalogging capabilities, and a user calibration mode which allows the user to calibrate against prepared standards.

The SC400 instruments come complete with a battery, sample cells, reagents, instruction manual, and carrying case.

Parameter	Range	Method	Instrument P/N	Reagent(s)	Reagent P/N
Aluminum	0.01-2.50 mg/l	Eriochrome Cyanine R	SC400-60	Aluminum Reagent Set	RS5000
	0.05-3.00 mg/l	Eriochrome Cyanine R		Aluminum Reagent Set	RS5460
Ammonia	0.01-0.80 mg/l	Salicylate	SC400-40	Ammonia Nitrogen Reagent Set	RS5500
	0.02-1.00 mg/l	Indophenole Blue		Ammonia Nitrogen Reagent Set	RS5540
Chlorine, Free and Total	0.01-2.00 / 0.10-8.00 mg/l	DPD	SC400-10	DPD Free Chlorine Reagent	RP010-0
				DPD Total Chlorine Reagent	RP012-0
Chlorine, Free and Total	0.01-6.00 mg/l	DPD	SC400-12	DPD No. 1 Tablets	RT106-0BT
				DPD No. 3 Tablets	RT108-0BT
	0.01-2.00 mg/l	DPD		DPD Free Chlorine Reagent	RP010-0
				DPD Total Chlorine Reagent	RP012-0
Chlorine, Free and Total	0.01-2.00 mg/l	DPD	SC400-15	DPD Free Chlorine Reagent	RP010-0
				DPD Total Chlorine Reagent	RP012-0
	0.01-6.00 mg/l	DPD		DPD No. 1 Tablets	RT106-0BT
				DPD No. 3 Tablets	RT108-0BT
pH	6.5-8.4	Phenol Red		Phenol Red Solution	L471040
Chlorine, HR	0 - 250	KI / Acid	SC400-16	Chlorine HR (KI) Reagent Set	RS5480
Chlorine Dioxide	0.01-3.80 mg/l	DPD	SC400-17	Chlorine Dioxide Reagent Set	RS0100
	0.01-3.80 mg/l	DPD		DPD No. 1 Tablets	RT106-0BT
				Glycine Tablets	RT217-0
COD	0 - 150 mg/l	Dichromate / H_2SO_4		LR COD Tube Tests, 25 ct	TT20720
	0 - 1500 mg/l			MR COD Tube Tests, 25 ct	TT20721
	0 - 15000 mg/l			HR COD Tube Tests, 25 ct	TT20722
This instrument is not supplied with reagents. Please order reagent separately. COD Tube Tests are also available in 150 ct. packages as well as Hg free.					
Copper	0.05-5.00 mg/l	Bicinchoninate	SC400-80	Copper Reagent	RP030-0
	0.05-5.00 mg/l	Biquinoline		Copper Reagent Set	RS3550
Fluoride	0.05-2.00 mg/l	SPADNS	SC400-20	SPADNS Reagent, 500 ml	L467482
This instrument is not supplied with reagents. Please order reagent and standard separately.				Fluoride Standard, 16 oz	R-3902
Iron	0.02- 5.00 mg/l	1, 10-Phenantroline	SC400-70	Iron Ferro Reagent	RP056-0
	0.02-1.00 mg/l	PPST		Iron Reagent Set	RS5370
Iron	0.05-1.80 mg/l	TPTZ	SC400-75	Iron TPTZ Reagent	RP055-0
	0.02-1.00 mg/l	PPST		Iron Reagent Set	RS5370
Manganese	0.01-0.70 mg/l	PAN	SC400-30	Manganese LR Reagent Set	RS5090
	0.10-4.00 mg/l	Formaldoxime		Manganese Reagent Set	RS6080
Manganese	0.01-0.70 mg/l	Periodate Oxidation	SC400-35	Manganese HR Reagent Set	RS5100
	0.10-4.00 mg/l	Formaldoxime		Manganese Reagent Set	RS6080
Phosphate (Ortho)	0.05-2.50 mg/l	Ascorbic Acid	SC400-50	Phosphate 3 Reagent	RP155-0
	0.10-4.00 mg/l	Phosphomolybdic acid / Ascorbic Acid		Phosphate LR Reagent Set	RS3040
Silica	1.00-100 mg/l	Silicomolybdate	SC400-90	Silica High Range Reagent Set	RS5700
	0.05-4.00 mg/l	Silicomolybdate		Silica Reagent Set	RS3130
	0.10 - 1.60 mg/l	Heteropolyblue		Silica LR Reagent Set	RS5690

Ordering Information:

Description	P/N
Sample Cells, 12 pack 24 mm, glass, with lid and light-shielding rings	L197620
Multi-Vials, 12 pack 10 mm, plastic, with lid. *For use with SC400-10*	L197610
Multi-Vials, 5 pack 10 mm, plastic, with lid. *For use with SC400-10*	L197615
Sample Cells, 10 pack 16 mm, glass, with lid. *For use with SC400-16*	L197665
Secondary Reference Standard Kit Confirms the standards of Zero, 0.20 and 1.0 mg/l *For use with SC400-10*	L275601

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