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# Quotation

**Quote Number: 100633497v1**  
Use quote number at time of order to ensure that you receive prices quoted

Hach  
PO Box 608  
Loveland, CO 80539-0608  
Phone: (800) 227-4224  
Email: quotes@hach.com  
Website: www.hach.com

Quote Date: 02-Feb-2021

Quote Expiration: 03-Apr-2021

CITY OF PLANO  
17 E MAIN ST  
PLANO, IL 60545-1521

Name: Darrin Boyer  
Phone: 630-552-8007  
Email: dbboyer2006@comcast.net

Customer Account Number : 072802

## PRICING QUOTATION

Line	Part Number	Description	Qty	Net Unit Price	Extended Price
1	2983600	Solitax hs-line sc Turbidity and Suspended Solids Immersion Probe with Wiper, including SC200 Controller, Stainless Steel	1	6,876.00	6,876.00
2	9220600	SC200 Weather and Sun Shield with UV Protection Screen. Standard lead time 10 days.	1	239.00	239.00
				Grand Total	\$ 7,115.00

## TERMS OF SALE

**Freight:** Ground Prepay and Add

**FCA:** Hach's facility

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Due to international regulations, a U.S. Department of Commerce Export License may be required. Hach reserves the right to approve specific shipping agents. Wooden boxes suitable for ocean shipment are extra. Specify final destination to ensure proper documentation and packing suitable for international transport. In addition, Hach may require: 1). A statement of intended end-use; 2). Certification that the intended end-use does not relate to proliferation of weapons of mass destruction (prohibited nuclear end use, chemical / biological



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## Solitax hs-line sc Turbidity and Suspended Solids Immersion Probe with Wiper, including SC200 Controller, Stainless Steel



**Product #:** 2983600      Quantity \*

**USD Price:** \$6,876.00

Ships within 3-5 weeks

### Compatible for Hach sc controller platform

The provided Hach sc200 controller displays and processes clearly the measurement data.

### Certified measurements according to DIN EN ISO 7027 and DIN 38414

Turbidity measurement performance certified to MCERTS regulation and according to DIN EN ISO 7027. The Suspended solids measurement is in accordance with DIN 38414.

### Automatic wiper cleaning system

Elimination of surface films or particles that can affect performance quality by a proven automatic wiper cleaning system.

### No calibration required

Long-term calibration stability since time-consuming multipoint calibrations with dilution series are replaced by a single correction factor.

#### ▼ What's included?

Turbidity & Suspended Solids probe, controller, user manual

#### ▼ Specifications

<b>Accuracy:</b>	Turbidity up to 1000 NTU: without calibration < 5% of the measured value ±0.01 NTU with calibration < 1% of the measured value ±0.01 NTU
<b>Automatic Wiper:</b>	Yes
<b>Body Material:</b>	Stainless Steel
<b>Cable Length:</b>	10 m (optional extension cables available)
<b>Calibration Method:</b>	Turbidity: Formazin or STABLCAL Standard (at 800 NTU). Suspended Solids: Sample specific, based on gravimetric TSS analysis with a correction factor procedure.
<b>Certifications:</b>	CE, MCERTS
<b>Configurations:</b>	Includes sc200 Controller
<b>Controller:</b>	SC200
<b>Diameter Sensor:</b>	60 mm
<b>Flow:</b>	Max. 3 m/s (the presence of air bubbles affects the measurement)
<b>Includes:</b>	Turbidity & Suspended Solids probe, controller, user manual
<b>Length:</b>	200 mm
<b>Maintenance Interval:</b>	1 h/month
<b>Material:</b>	Optics Carrier and Sleeve: stainless steel 1.4571; Wiper Arm: stainless steel 1.4581; Wiper Rubber: silicone rubber (standard) Optional: Viton (LZX578); Wiper Shaft: stainless steel 1.4571
<b>Max. cable length Sensor-to-Controller:</b>	100 m
<b>Measuring Principle:</b>	Infrared Duo scattered light technique for color-independent turbidity measurement. Turbidity in accordance with DIN EN ISO 7027 / TS equivalent DIN 38414
<b>Model:</b>	Solitax hs-line sc
<b>Mounting:</b>	Immersion
<b>Operating Temperature Range:</b>	0 - 40 °C

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<b>Parameter:</b>	Suspended Solids, Turbidity
<b>Pressure Range:</b>	Stainless steel immersion sensor: <6 bar or <60 m
<b>Range:</b>	TSS-content: 0.001 mg/L- 500 g/L Turbidity: 0.001 - 4000 NTU
<b>Repeatability:</b>	TSS content: < 3 % Turbidity: < 1 %
<b>Response Time T90:</b>	1 - 300 s adjustable
<b>Weight:</b>	138 kg
<b>What's included?:</b>	Turbidity & Suspended Solids probe, controller, user manual

REVENUE AND EXPENDITURE REPORT FOR CITY OF PLANO, TX  
 PERIOD ENDING 12/31/2020

LINE NUMBER	DESCRIPTION	2020-21		YTD BALANCE		ACTIVITY FOR		AVAILABLE		% BUDGET USED
		AMENDED BUDGET	NORMAL (ABNORMAL)	12/31/2020	NORMAL (ABNORMAL)	MONTH 12/31/2020	INCREASE (DECREASE)	NORMAL (ABNORMAL)	BALANCE	
PERSONNEL SERVICES										
WASTE WATER TREATMENT PLANT										
700-50-5111	WAGES-DIR. OF PUBLIC WORKS									
700-50-5116	WAGES-DEPT HEAD/WWTIP									
700-50-5140	WAGES-LEVEL II									
700-50-5160	WAGES-LEVEL IV									
700-50-5170	WAGES-LEVEL V									
		53,231.09	0.00	37,676.64	0.00	4,004.56	0.00	15,554.45	0.00	0.00
		72,072.88		40,875.75		4,459.91		31,197.13		70.78
		51,147.63		31,918.44		3,372.61		19,229.19		56.71
		47,000.00		19,765.48		3,494.89		27,234.52		62.40
		223,451.60		130,236.31		15,331.97		93,215.29		42.05
PERSONNEL SERVICES										
700-61-7618	ENGINRNG									
700-61-7630	MISC PROFESSIONAL SERVICES									
700-61-7634	CONSULTING SERVICES									
		2,500.00	0.00	11,018.13	0.00	5,524.76	0.00	2,500.00	0.00	0.00
		35,000.00		11,018.13		5,524.76		23,981.87		31.48
		0.00		0.00		0.00		0.00		0.00
		37,500.00		11,018.13		5,524.76		26,481.87		29.38
TRACTUAL SVC & EXP										
700-62-5630	UNIFORM/PRLM PROTECTION EQMT									
700-62-7660	MTNC SRVC & RPR-BUILDINGS									
700-62-7662	MTNC & RESTORATION-GROUND									
700-62-7664	MTNC SRVC & RPR-OPERATING EQMT									
700-62-7668	DISPOSAL SERVICES-SLUDGE									
700-62-7670	TESTING SERVICES									
700-62-7671	RENTAL EXPENSE									
700-62-7720	GAS (HEAT & OPERATIONS)									
700-62-7730	ELECTRICITY									
700-62-7731	EPA FEES									
700-62-7799										
		7,500.00	5,286.71	7,701.45	411.40	0.00	2,213.29	70.49		
		10,000.00	7,701.45	22,968.32	0.00	0.00	2,298.55	77.01		
		35,000.00	83,799.90	176.44	0.00	0.00	16,200.10	65.62		
		100,000.00	14,773.86	2,431.02	0.00	0.00	27,226.14	35.18		
		42,000.00	3,000.00	1,836.21	0.00	267.47	3,000.00	0.00		
		6,500.00	120,000.00	64,367.98	0.00	4,663.79	55,632.02	28.25		
		120,000.00	17,500.00	17,500.00	0.00	6,911.19	0.00	53.64		
		346,500.00	220,841.89	7,590.06	125,658.11	63.74				
PERSONNEL SERVICES										
WASTE WATER TREATMENT PLANT										
00-65-7310	NEW OPERATING EQUIPMENT									
00-65-7316	MTNC & RPR-SUPPLIES									
00-65-7318	MTNC SRVC & RPR-VEHICLES									
00-65-7333	GASOLINE, OIL & FILTERS									
00-65-7343	OPERATION SUPPLIES									
00-65-7399	MISCELLANEOUS SUPPLIES									
00-65-7899	MISCELLANEOUS EXPENSE									
00-65-7998	Loss on Disposal of Equipment									
00-65-7999	CONTINGENCIES									
		62,000.00	1,084.78	7,663.76	568.00	209.70	6,336.24	1.75		
		14,000.00	0.00	0.00	0.00	0.00	1,000.00	0.00		
		1,000.00	2,139.30	35,594.37	0.00	424.77	2,360.70	0.00		
		45,000.00	0.00	0.00	0.00	0.00	9,405.63	47.54		
		0.00	0.00	0.00	0.00	0.00	0.00	79.10		
		100.00	0.00	0.00	0.00	0.00	100.00	0.00		
		80,000.00	49,785.79	0.00	0.00	0.00	0.00	0.00		
		206,600.00	96,268.00	1,202.47	30,214.21	62.23				
PERSONNEL SERVICES										
WASTE WATER TREATMENT PLANT										
0-75-6312	NEW VEHICLES									
0-75-7310	NEW OPERATING EQUIPMENT									
		17,500.00	0.00	16,470.71	0.00	0.00	17,500.00	0.00		
		17,000.00	16,470.71	0.00	0.00	0.00	529.29	96.89		
		34,500.00	16,470.71	0.00	0.00	0.00	18,029.29	47.74		
		848,551.60	474,835.04	29,649.26	373,716.56	55.96				