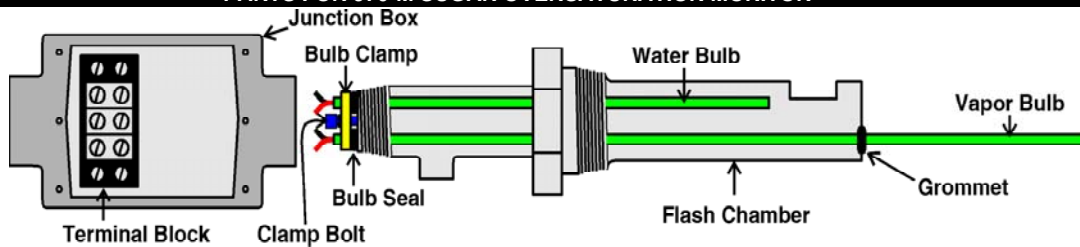


Ziegler and Associates
Instrumentation and Spare Parts Prices
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COMPLETE INSTRUMENTS & OPTIONS

PART#	ITEM	DESCRIPTION	US List Price
970C000	970-C	Sugar Consistency Monitor	\$2,068.00
970C100	Nema 4X	Nema 4X enclosure option for 970-C	\$310.00
970M000	970-M	Sugar Oversaturation Monitor	\$1,586.00
970S000	970-S	Hand Held Microscope	\$170.00
971C000	971-CM	Syrup Brix Monitor (Manual Temp. Comp.)	\$2,266.00
971C100	971-CA	Syrup Brix Monitor (Auto Temp Comp.)	\$2,420.00
977C000	977-C	Turbidimeter/ Low Suspended Solids Monitor	\$2,420.00
977C100	Nema 4X	Nema 4X enclosure option for 977-C	\$310.00
977C200	Pipe Insertion Adapter	Pipe insertion/removal adapter option for 977-C	\$165.00
977C300	Dual Alarms	Dual alarm option for 977-C	\$330.00
977C400	Submersible Sensor	Submersible-type sensor option for 977-C	\$200.00
977C500	Light Shield	Light shield option for 977-C	\$250.00
977C600	12 VDC Power	12 VDC powered transmitter option for 977-C	\$250.00
977C601	24 VDC Power	24 VDC powered transmitter option for 977-C	\$310.00
977C900	Cable	Extra interconnecting cable for 977-C (Price/foot)	\$1.60
978C000	978-C	Suspended Solids Monitor	\$2,600.00
978C100	Nema 4X	Nema 4X enclosure option for 978-C	\$310.00
978C200	Pipe Insertion Adapter	Pipe insertion/removal adapter option for 978-C	\$165.00
978C300	Dual Alarms	Dual alarm option for 978-C	\$330.00
978C400	Submersible Sensor	Submersible-type sensor option for 978-C	\$200.00
978C500	Light Shield	Light shield option for 978-C	\$250.00
978C600	12 VDC Power	12 VDC powered transmitter option for 978-C	\$250.00
978C601	24 VDC Power	24 VDC powered transmitter option for 978-C	\$310.00
978C900	Cable	Extra interconnecting cable for 978-C (Price/foot)	\$1.60

PARTS FOR 970-M SUGAR OVERSATURATION MONITOR

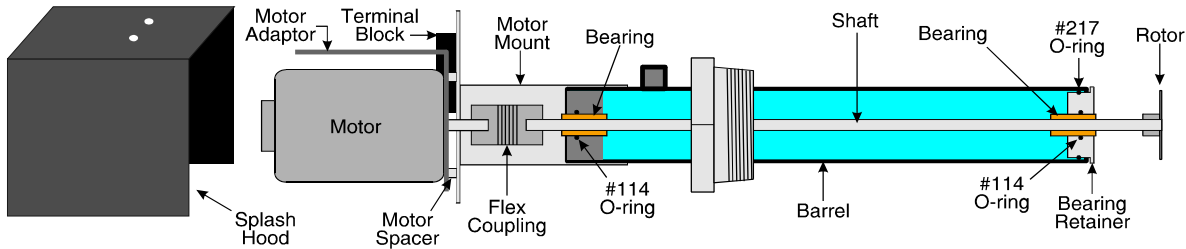


PART#	ITEM	DESCRIPTION	US List Price
970M003	Circuit Board	Circuit board	\$485.00
970M013	Clamp and Bolts	Bulb clamp and bolts (1-clamp and 2-bolts with washers)	\$15.00
970M009	Flash Chamber	Flash chamber for sensor	\$512.00
970M008	Grommet & Bulb Seals	Grommet & bulb seal kit (2-O-Rings & Grommet)	\$8.00
970M010	Junction Box	Junction box	\$87.00
970M007	Matched bulbs	Matched pair of bulbs	\$257.00
970M011	Meter	Analog indicating meter with dial for front panel	\$160.00
970M004	Panel Assembly	Panel assembly	\$357.00
970M012	Potentiometer	10k ohm potentiometer for front panel	\$20.00
970M002	Sensor	Sensor assembly	\$900.00
970M014	Terminal Block	Terminal block	\$15.00
970M001	Transmitter	Transmitter	\$837.00
970M006	Vapor Bulb (Long)	Vapor/long temperature bulb	\$135.00
970M005	Water Bulb (Short)	Water/short temperature bulb	\$135.00

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PARTS FOR 970-C SUGAR CONSISTENCY MONITOR

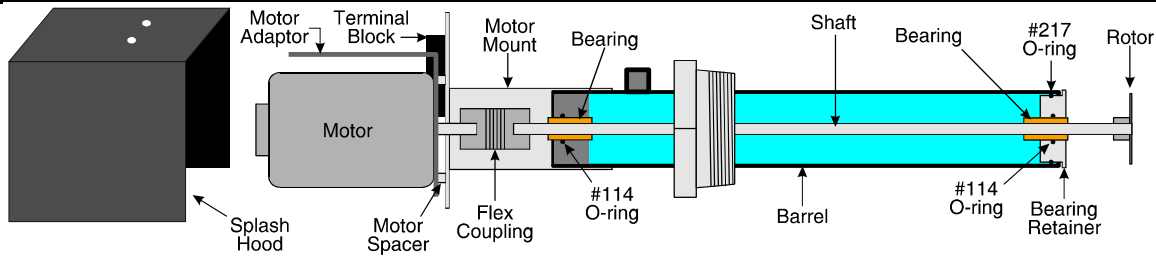


	PART#	ITEM	DESCRIPTION	US List Price
	970C009	Barrel	Sensor/probe shaft barrel	\$532.00
	970C012	Bearing	Sensor/probe bearing	\$40.00
	970C029	Bearing Retainer	Sensor/probe inner bearing retainer	\$150.00
	970C003	Circuit Board	Circuit board	\$325.00
	970C014	Flex Coupling	Sensor/probe flex coupling with set screws	\$77.00
	970C004	Front Panel Assembly	Front Panel Assembly	\$330.00
	970C025	Meter (Analog)	Analog indicating meter with dial for front panel	\$160.00
	970C026	Meter (Digital)	Digital indicating meter for front panel	\$160.00
	970C007	Motor 24A2BEPM	Motor (Bodine type 24A2BEPM)	\$295.00
J-99	970C034	Motor Adaptor	Motor Adaptor for 24A2BEPM motor	\$35.00
	970C017	Motor Bearing (Bodine - Z99038)	Motor ball bearing (Bodine - Z99038)	\$32.00
	970C018	Motor Bearings (Carter - C8008)	Motor ball bearing (Carter - C8008)	\$32.00
	970C020	Motor Brush (Bodine F83)	Motor brush with spring for Bodine motor (1/4" x 1/8")(F 83)	\$7.00
	970C021	Motor Brush (Bodine F83X)	Motor brush with spring for Bodine motor (1/4" x 3/16")(F 83X)	\$7.00
	970C019	Motor Brush (Carter)	Motor brush with spring for Carter motor	\$7.00
S-98	970C032	Motor conversion Kit	Kit to convert 970-C with NSH-12 motor to use 24A2BEPM motor	\$55.00
	970C010	Motor Mount	Sensor/probe motor mount	\$300.00
S-98	970C006	Motor NSH-12 (Discontinued)	Motor (Bodine type NSH-12) Replace with 970C007 & 970C032	\$295.00
	970C011	Motor Spacers	Sensor/probe motor spacers 11/16" for NSH-12 Motor (set of 4)	\$30.00
J-99	970C033	Motor Spacers	Sensor/probe motor spacers 1/8" for 24A2BEPM Motor (set of 4)	\$30.00
	970C022	O-Ring #114	O-Ring Bearing Retainer #114 - 5/8 x 13/16"	\$3.00
	970C023	O-Ring #217	O-Ring Barrel Seal #217 - 1 3/16 x 1 7/16"	\$3.00
	970C027	Potentiometer	10k ohm potentiometer for front panel	\$20.00
	970C015	Rotor 1-3/4"	Sensor/probe rotor 1-3/4"	\$66.00
	970C016	Rotor 3"	Sensor/probe rotor 3"	\$70.00
	970C031	Screws	Screws and washers for splash hood (2 of each included)	\$3.00
	970C002	Sensor	Sensor/probe unit	\$1,437.00
	970C024	Set Screw	Set Screw - 8-32 x 3/16" Spline Head SS	\$1.00
	970C008	Shaft	Sensor/probe shaft	\$62.00
	970C028	Splash Hood	Sensor/probe motor splash hood	\$75.00
	970C013	Terminal Block	Sensor/probe terminal block	\$12.00
	970C001	Transmitter	Transmitter	\$677.00
	970C030	Wrench	Spline head wrench	\$4.00
	970C005	ZA-6 Kit	ZA-6 Kit for 715TQ conversion	\$295.00

Ziegler and Associates
Instrumentation and Spare Parts Prices

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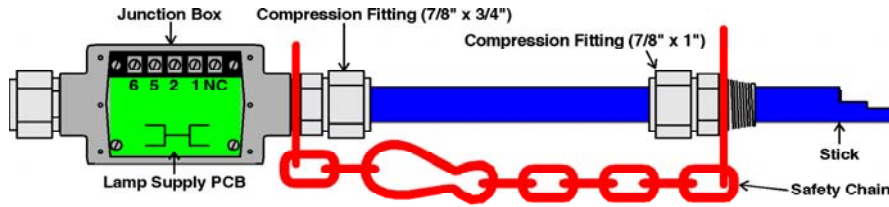
PARTS FOR 971-C SYRUP CONCENTRATION MONITOR



			US List Price
PART#	ITEM	DESCRIPTION	
	971C001	Transmitter	\$912.00
	971C002	Sensor	\$1,437.00
	971C003	Circuit Board	\$480.00
	971C005	Front Panel Assembly	\$330.00
	971C006	Meter (Analog)	\$160.00
S-98	971C007	Motor NSH-12	\$295.00
S-00	971C032	Motor conversion Kit	\$55.00
	971C101	Transmitter	\$912.00
	971C104	Temperature Bulb	\$302.00
	970C007	Motor 24A2BEPM	\$295.00
	970C008	Shaft	\$62.00
	970C009	Barrel	\$532.00
	970C010	Motor Mount	\$300.00
	970C011	Motor Spacers	\$30.00
	970C012	Bearing	\$40.00
	970C013	Terminal Block	\$12.00
	970C014	Flex Coupling	\$77.00
	970C015	Rotor 1-3/4"	\$66.00
	970C016	Rotor 3"	\$66.00
	970C017	Motor Bearing (Bodine - Z99038)	\$32.00
	970C018	Motor Bearings (Carter - C8008)	\$32.00
	970C019	Motor Brush (Carter)	\$7.00
	970C020	Motor Brush (Bodine F83)	\$7.00
	970C021	Motor Brush (Bodine F83X)	\$7.00
	970C022	O-Ring #114	\$3.00
	970C023	O-Ring #217	\$3.00
	970C024	Set Screw	\$1.00
	970C027	Potentiometer	\$20.00
	970C028	Splash Hood	\$75.00
	970C029	Inner bearing retainer	\$150.00
	970C030	Wrench	\$4.00
	970C031	Screws	\$3.00
J-99	970C033	Motor Spacers	\$30.00
J-99	970C034	Motor Adaptor	\$35.00

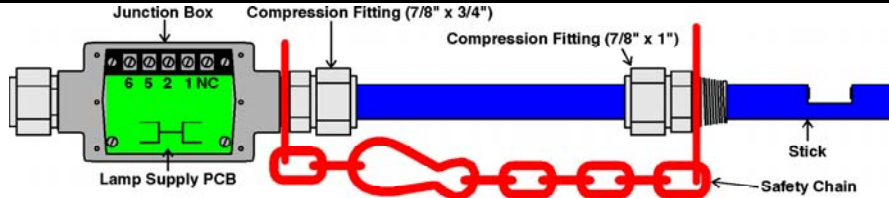
Ziegler and Associates
Instrumentation and Spare Parts Prices
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PARTS FOR 977-C TURBIDIMETER



PART#	ITEM	DESCRIPTION	US List Price
977C900	Cable	Sensor/transmitter interconnecting cable (Price/foot)	\$1.60
977C011	Calibration	Calibration/Recalibration 977-C	\$100.00
977C003	Circuit Board	Main circuit board for Model 977-C	\$470.00
977C005	Circuit Board	Sensor/lamp power supply	\$102.00
977C010	Compression Fitting	Compression fitting (7/8" tube x 1" male NPT)	\$240.00
977C013	Compression Fitting	Compression fitting (7/8" tube x 3/4" male NPT)	\$200.00
977C004	Front Panel Assembly	Front Panel for Model 977-C	\$400.00
977C016	Junction Box	Junction box	\$87.00
977C006	Meter (Analog)	Analog indicating meter with dial	\$200.00
977C007	Meter (Digital)	Digital indicating meter	\$120.00
977C012	Meter Circuit Board	Circuit board for digital indicating meter	\$40.00
977C015	Safety Chain	Safety chain for insertion sensor	\$30.00
977C002	Sensor - Insertion	Sensor for Model 977-C (no cable or fittings)	\$1,140.00
977C009	Sensor Repair	Sensor overhaul (For salvageable sensor)	\$750.00
977C008	Stick (Insertion)	Insertion sensor (Stick Only) Model 977-C	\$770.00
977C014	Sensor - Submersible	Submersible sensor Model 977-C w/50' cable	\$1,340.00
977C001	Transmitter	Transmitter in NEMA 1 enclosure for 977-C	\$1,220.00

PARTS FOR 978-C SUSPENDED SOLIDS MONITOR



PART#	ITEM	DESCRIPTION	US List Price
978C900	Cable	Sensor/transmitter interconnecting cable (Price/foot)	\$1.60
978C011	Calibration	Calibration/Recalibration 978-C	\$100.00
978C003	Circuit Board	Main circuit board for Model 978-C	\$570.00
977C005	Circuit Board	Sensor/lamp power supply	\$102.00
977C010	Compression Fitting	Compression fitting (7/8" tube x 1" male NPT)	\$240.00
977C013	Compression Fitting	Compression fitting (7/8" tube x 3/4" male NPT)	\$200.00
978C004	Front Panel Assembly	Front Panel for Model 978-C	\$400.00
977C016	Junction Box	Junction box	\$87.00
978C006	Meter (Analog)	Analog indicating meter with dial	\$200.00
978C007	Meter (Digital)	Digital indicating meter	\$120.00
978C012	Meter Circuit Board	Circuit board for digital indicating meter	\$40.00
977C015	Safety Chain	Safety chain for insertion sensor	\$30.00
978C002	Sensor - Insertion	Sensor for Model 978-C (no cable or fittings)	\$1,190.00
978C009	Sensor Repair	Sensor overhaul (For salvageable sensor)	\$750.00
978C008	Stick (Insertion)	Insertion sensor (Stick Only) Model 978-C	\$880.00
978C014	Sensor - Submersible	Submersible sensor Model 978-C w/50' cable	\$1,390.00
978C001	Transmitter	Transmitter in NEMA 1 enclosure for 978-C	\$1,350.00