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October, 2011

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2011

PORTABLE STROBOSCOPES Nova Strobe LED Stroboscopes

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6230-010	\$587.00	Nova-Strobe BBL	X	BBL Strobe, universal 115/230 recharger with interchangeable wall plugs and operation manual
6230-011	\$647.00	Nova-Strobe BBL Kit	X	Same as above with plastic latching carry case
6231-010	\$699.00	Nova-Strobe DBL	X	DBL Strobe, universal 115/230 recharger with interchangeable wall plugs and operation manual and NIST calibration certificate
6231-011	\$759.00	Nova-Strobe DBL Kit	X	Same as above with plastic latching carry case
6232-010	\$897.00	Nova-Strobe PBL	X	PBL Strobe, universal 115/230 power supply/recharger with USA and Euro cables, operation manual and NIST calibration certificate
6232-011	\$999.00	Nova-Strobe PBL Kit	X	Same as above with Deluxe water tight, foam lined carry case

ACCESSORIES

6280-048	\$33.00	Protective Rubber Cover		Protective rubber cover
6180-029	\$189.00	ROLS-P	X	Remote Optical Laser Sensor with 8 foot cable, 1/8" (3.5mm) plug connector, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-070	\$13.00	T-5 Tape		Reflective Tape - 5 foot roll, 0.5 inch wide
6280-040	\$78.00	CC-7		Plastic Latching Carrying Case
6280-049	\$100.00	CC-12		Deluxe water tight, foam lined carry case with o-ring gasket. Fits all Nova Strobe models
6280-041	\$25.00	SPC-1		Splashproof Protective Cover for Nova-Strobe battery-powered Stroboscopes

PORTABLE STROBOSCOPES Pocket LED Stroboscope PLS *** (Available December 2011) *******

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6235-010		Pocket LED Strobe PLS	X	PLS Strobe, universal 115/230 recharger, manual and NIST calibration certificate
6235-011		Pocket LED Strobe Kit PLS Kit	X	Same as above with plastic latching carry case

ACCESSORIES

Available December 2011

6180-029		ROLS-P	X	Remote Optical Laser Sensor with 8 foot cable, 1/8" (3.5mm) plug connector, mounting bracket with jam nuts and 12 inches of T-5 tape.
6280-037		Pulse input/output cable		Cable Assembly, 6 foot, for TTL input/output, 3.5 mm stereo phone plug to BNC connector.
6180-070		T-5 Tape		Reflective Tape - 5 foot roll, 0.5 inch wide
6280-072		CC-13		Plastic latching carry case for PLS stroboscope

PORTABLE STROBOSCOPES Palm Strobe x Series. N.I.S.T. traceable certificate of calibration included.

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6205-050	\$540.00	PALM STROBEx 115/230	X	Strobe, Battery, PSC-2U 115/230 Vac Recharger
6205-051	\$665.00	PALM STROBEx Pak 115/230	X	Strobe, Battery, PSC-2U 115/230 Vac Recharger, Spare Battery and Holster
6205-052	\$645.00	PALM STROBEx Kit 115/230	X	Strobe, Battery, PSC-2U 115/230 Vac Recharger, Spare Lamps and Latching Carrying Case
6205-053	\$770.00	PALM STROBEx Deluxe Kit 115/230	X	Strobe, Battery, PSC-2U 115/230 Vac Recharger, Spare Lamps & Battery, Holster & Latching Carrying Case

ACCESSORIES

6280-032	\$36.00	PS Input Cable		TTL Pulse Input Cable, 6 Feet (1.82 m) - 1/8" Stereo Plug to BNC male Connector
6280-037	\$35.00	PS Output Cable		6 foot TTL Output Cable, 1/8" Stereo Phone Plug to BNC Connector (CA-4044-6)
6280-043	\$27.00	PS Holster		Holster With Belt Loop and Pouch

REPLACEMENT PARTS

6280-044	\$36.00	Protective rubber cover		Slip on protective rubber cover protects against accidental drops and infiltration of contaminants
6280-022	\$30.00	PSC-2U	X	Universal Recharger, 115/230 Vac with USA, U.K. AUS, Euro Adapter Plugs
6280-026	\$103.00	PSx Battery	X	Rechargeable NiMH Battery Pack
6280-028	\$66.00	L-1905 (Twin Pack)		(2) Replacement Xenon Lamps
6280-042	\$42.00	CC-9		Latching Carrying Case for Strobe and All Accessories

PORTABLE STROBOSCOPES Nova-Strobe x Series. N.I.S.T. traceable certificate of calibration included on dax, dbx models only

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6206-010	\$299.00	Nova-Strobe bax 115	X	Basic Stroboscope, mains powered - 30-10,000 FPM with 115 Vac power
6206-011	\$422.00	Nova-Strobe bax Kit 115	X	Same as 6206-010 with Spare Lamp in Latching Carrying Case
6206-012	\$329.00	Nova-Strobe bax 230	X	Basic Stroboscope, mains powered - 30-10,000 FPM with 230 Vac power
6206-013	\$452.00	Nova-Strobe bax Kit 230	X	Same as 6206-012 with Spare Lamp in Latching Carrying Case
6207-012	\$415.00	Nova-Strobe bbx 115/230	X	Basic Stroboscope, battery powered - 30-10,000 FPM with PSC-2U (115/230 Vac) recharger
6207-013	\$538.00	Nova-Strobe bbx Kit 115/230	X	Same as 6207-012 with Spare Lamp in Latching Carrying Case
6203-010	\$475.00	Nova-Strobe dax 115	X	Deluxe Stroboscope, mains powered - 30-20,000 FPM with 115 Vac power
6203-011	\$598.00	Nova-Strobe dax Kit 115	X	Same as 6203-010, with Spare Lamp in Latching Carrying Case
6203-012	\$525.00	Nova-Strobe dax 230	X	Deluxe Stroboscope, mains powered - 30-20,000 FPM with 230 Vac power
6203-013	\$648.00	Nova-Strobe dax Kit 230	X	Same as 6203-012, with Spare Lamp in Latching Carrying Case
6204-012	\$530.00	Nova-Strobe dbx 115/230	X	Deluxe Stroboscope, battery powered - 30-20,000 FPM with PSC-2U (115/230 Vac) recharger
6204-013	\$653.00	Nova-Strobe dbx Kit 115/230	X	Same as 6204-012 with Spare Lamp in Latching Carrying Case

REPLACEMENT PARTS

6280-030	\$45.00	L-1903		Stroboscope bax, bbx, dax & dbx Spare Lamp
6280-022	\$30.00	PSC-2U	X	Universal Recharger, 115/230 Vac with USA, U.K. AUS, Euro Adapter Plugs

ACCESSORIES

6280-040	\$78.00	CC-7		Plastic Latching Carrying Case
6280-041	\$25.00	SPC-1		Splashproof Protective Cover for Nova-Strobe battery-powered Stroboscopes
6280-034	\$12.00	C-4027		Set (2) mating 1/8" stereo plugs (to provide TTL signal and sensor power)
6280-037	\$35.00	CA-4044-6		6 foot TTL input/output cable, 1/8" stereo phone plug to BNC connector
6280-038	\$16.00	CA-4045-6		6 foot TTL input/output cable, 1/8" stereo phone plug to 1/8" stereo phone plug
6280-CAL	\$95.00	CAL-N.I.S.T.		N.I.S.T. Traceable Certificate of Calibration / Re-calibration
6280-048	\$33.00	Protective rubber cover		Protective rubber cover protects against accidental drops and infiltration of contaminants, fits all Nova, Phaser and Vibration strobes.

SENSORS

6180-029	\$189.00	ROLS-P	X	Remote Optical Laser Sensor with 8 foot cable, 1/8" (3.5mm) plug connector, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-057	\$142.00	ROS-P	X	Remote Optical Sensor with 8 foot cable, mounting bracket and 12 inches of reflective tape, 1/8" (3.5mm) phone plug connector
6180-057-25	\$159.00	ROS-P-25	X	Same as 6180-057 with 25 foot cable
6180-020	\$200.00	IRS-P	X	Infrared Sensor with 8 foot cable, 3.5 mm plug and mounting bracket.
6180-036	\$210.00	MT-190P	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable

PORTABLE STROBOSCOPES Phaser-Strobe x Series. N.I.S.T. traceable certificate of calibration included.

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6210-020	\$725.00	Phaser-Strobe pbx 115/230	X	Stroboscope - 30-50,000 FPM with PSC-pbxU (115/230 Vac) Power Supply/Recharger
6210-021	\$848.00	Phaser-Strobe pbx Kit 115/230	X	Same as 6210-020 with Spare Lamp in Latching Case

REPLACEMENT PARTS

6280-030	\$45.00	L-1903		Digital Stroboscope pbx Spare Lamp
6280-024	\$110.00	PSC-pbxU	X	Universal Power Supply/Recharger, 115/230 Vac with USA and Euro adapter cables

ACCESSORIES

6280-048	\$33.00	Protective rubber cover		Protective rubber cover protects against accidental drops and infiltration of contaminants, fits all Nova, Phaser and Vibration strobes.
6180-070	\$13.00	T-5 Tape		Reflective Tape - 5 foot roll, 0.5 inch wide
6280-040	\$78.00	CC-7		Plastic Latching Carrying Case
6280-041	\$25.00	SPC-1		Splashproof Protective Cover for Nova-Strobe battery-powered Stroboscopes
6280-034	\$12.00	C-4027		Set (2) mating 1/8" stereo plugs (to provide TTL signal and sensor power)
6280-037	\$35.00	CA-4044-6		6 foot TTL input/output cable, 1/8" stereo phone plug to BNC connector
6280-038	\$16.00	CA-4045-6		6 foot TTL input/output cable, 1/8" stereo phone plug to 1/8" stereo phone plug
6280-CAL	\$95.00	CAL-N.I.S.T.		N.I.S.T. Traceable Certificate of Calibration / Re-calibration

SENSORS

6180-029	\$189.00	ROLS-P	X	Remote Optical Laser Sensor with 8 foot cable, 1/8" (3.5mm) plug connector, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-057	\$142.00	ROS-P	X	Remote Optical Sensor with 8 foot cable, mounting bracket and 12 inches of reflective tape, 1/8" (3.5mm) phone plug connector
6180-057-25	\$159.00	ROS-P-25	X	Same as 6180-057 with 25 foot cable
6180-020	\$200.00	IRS-P	X	Infrared Sensor with 8 foot cable, 3.5 mm plug and mounting bracket.
6180-036	\$210.00	MT-190P	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable

PORTABLE STROBOSCOPES Vibration Battery Strobe (vbx) Series

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6220-031	\$2,300.00	vbx Strobe CSI Kit 115/230 for (Model 2120 only)	X	Vibration Stroboscope - 30-50,000 FPM, with PSC-pbxU Power Supply/Recharger, 115/230 Vac, spare lamp and CSI 2120 data collector interface cable with CA-4046-6 Accelerometer cable in Deluxe water tight, foam lined latching carrying case
6220-034	\$2,600.00	vbx Strobe CSI Kit 115/230 for (Model 2130 only)	X	Vibration Stroboscope - 30-50,000 FPM, with PSC-pbxU Power Supply/Recharger, 115/230 Vac, spare lamp and CSI 2130 data collector interface cable with CA-4046-6 Accelerometer cable in Deluxe water tight, foam lined latching carrying case
6220-032	\$2,300.00	vbx Strobe SKF Kit 115/230 for (CMVA Models Only)	X	Vibration Stroboscope - 30-50,000 FPM, with PSC-pbxU Power Supply/Recharger, 115/230 Vac, spare lamp and SKF CMVA data collector interface cable with CA-4046-6 Accelerometer cable in Deluxe water tight, foam lined latching carrying case
6220-033	\$2,195.00	vbx Strobe Kit 115/230 (without interface cables)	X	Vibration Stroboscope - 30-50,000 FPM, with PSC-pbxU Power Supply/Recharger, 115/230 Vac, spare lamp with CA-4046-6 Accelerometer cable in Deluxe water tight, foam lined latching carrying case

ACCESSORIES

6280-048	\$33.00	Protective rubber cover		Protective rubber cover protects against accidental drops and infiltration of contaminants, fits all Nova, Phaser and Vibration strobes.
6280-040	\$78.00	CC-7		Plastic Latching Carrying Case
6280-049	\$100.00	CC-12		Deluxe water tight, foam lined carry case with o-ring gasket. Fits all Nova Strobe models
6280-024	\$110.00	PSC-pbxU	X	Universal Power Supply/Recharger, 115/230 Vac with USA and Euro adapter cables
6280-030	\$45.00	L-1903		Digital Stroboscope vbx Spare Lamp
6280-047	\$46.00	CA-4046-6		6 foot Accelerometer input cable, 1/8 (3.5mm) inch phone plug to BNC with BNC union connector
4280-150	\$175.00	Interface Cable SKF CMVA		Vibration Stroboscope to SKF CMVA Series Data Collectors
4280-151	\$175.00	Interface Cable CSI 2120		Vibration Stroboscope to CSI 2120 Series Data Collectors
4280-152	\$336.00	Interface Cable CSI 2130		Vibration Stroboscope to CSI 2130 Series Data Collectors
6280-CAL	\$95.00	CAL-N.I.S.T.		N.I.S.T. Traceable Certificate of Calibration / Re-calibration

PORTABLE STROBOSCOPE REPLACEMENT PARTS

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6280-039	\$50.00	NS Plastic Replacement Kit		All Nova-Strobes MANUFACTURED PRIOR to NOV 2003 (except DA+ and DB). Includes: Right Case Half, Left Case Half, Trigger Switch and Black Tuning Knob with set screw. (Updated design with brass inserts).
1005-3102-003R	\$10.00	Trigger Switch		For All Nova-Strobes MANUFACTURED AFTER NOV. 2003
1055-4241-113R	\$15.00	Right Case Half		Plastic for All Nova-Strobes MANUFACTURED AFTER NOV. 2003
1055-4242-113R	\$15.00	Left Case Half (knob side)		Plastic for All Nova-Strobes MANUFACTURED AFTER NOV. 2003
3055-4243-001R	\$20.00	Reflector Housing		Plastic for All Nova-Strobes with labels
1052-4240-113R	\$20.00	Parabolic Reflector		Metal for All Nova Strobes, Phaser Strobe and Vibration Strobe
1052-4245-212R	\$10.00	Front Lens (without holes)		Plastic lens, for all battery operated Nova, Phaser and Vibration Strobes
1052-4248-111R	\$13.00	Front Lens (with holes)		Plastic lens, for DA, DA Plus and BA Models.
4280-136	\$10.00	Black Tuning Knob		Plastic tuning knob, for All Nova-Strobes MANUFACTURED AFTER NOV. 2003
6280-030	\$45.00	L-1903		Digital Stroboscope Spare Lamp for DA+, DB+, PB, VB, VBX, BAX, BBX, DAX, DBX and PBX models.
6280-031	\$27.00	L-1902		Basic Stroboscope Spare Lamp for older BA, BB, AA and AB Models.
6180-060	\$40.00	R-5	X	Recharger, 115 Vac - 50/60Hz for BB Model
6180-062	\$37.00	R-6	X	Recharger, 230 Vac - 50/60Hz for BB Model
6280-011	\$47.00	R-115	X	Recharger, 115 Vac - 50/60Hz for DB Plus Models
6280-014	\$57.00	R-230	X	Recharger, 230 Vac - 50/60Hz for DB Plus Models
6280-022	\$30.00	PSC-2U	X	Universal Recharger, 115/230 Vac with USA, U.K. AUS, Euro Adapter Plugs for psx, bbx, dbx (replaces PSC-2 and PSC-1)
6280-035	\$60.00	Set of (3) Internal Batteries		Rechargeable Lead-Acid Batteries for AB, BB, DB, DB Plus, PB and VB Nova-Strobes.
6280-046	\$62.00	Internal Battery Pack		Rechargeable NiMH Battery Pack for BBX, DBX, PBX and VBX models.
1052-6103-110R	\$3.00	Black Rubber Cover		Palm Strobe Black Rubber Reflector Cover
1052-6104-110R	\$2.00	Palm Strobe Lens		Front Lens for Palm Strobe
6280-026	\$103.00	Palm Strobe Battery Pack		Palm Strobe battery pack (for use with Red Palm Strobe and Blue Palm Strobe x) REQUIRES PSC-2U Recharger

PERMANENTLY MOUNTED MACHINE VISION STROBOSCOPE MVS 115 and MVS 230

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6250-020	\$695.00	MVS 115	X	Machine Vision Stroboscope with TTL input cable 115 VAC 50/60Hz powered. Includes 8 foot input cable.
6250-021	\$695.00	MVS 230	X	Machine Vision Stroboscope with TTL input cable 230 VAC 50/60Hz powered. Includes 8 foot input cable.
Accessories				
6280-083	\$50.00	L-1915		MVS 115 and MVS 230 spare lamp
6280-080	\$299.00	Frequency Controller	X	Frequency controller with Liquid Crystal Display and 8 foot input/output cable
6280-081	\$250.00	Audio Interface Box		Audio interface box with interface cables and universal power supply with interchangeable plug set
6280-082	\$50.00	Microphone		Microphone with mounting hardware and 8 foot cable
6250-084	\$99.00	MVS Distribution Panel		Distribution panel allows up to 6 MVS stroboscopes to be connected in parallel and triggered from one signal. Supplied with one 8 foot 3.5mm phono to 4 pin DIN connector cable.
6250-085	\$39.00	MVS connection cable		8 foot 3.5mm phono plug to 4 pin DIN connector cable. (for connecting MVS to distribution panel).

PANEL/BENCH MOUNT TACHOMETERS-TOTALIZERS ACT-1B and ACT-3X Series

To specify your **ACT-1B**, select options from the list below. Insert your selection in the boxes below and the cost of each option in the boxes to the left. Analog output, full scale setting and pulse input ranges selected below must be factory pre-set or can be user configured with the optional USB cable and PM Remote software (see following page).

Base Price
\$249.00

ACT1B - - - - - -



<input type="checkbox"/>	Input Power		
	1	100 to 240 Vac 50/60Hz	\$ N/C
	2	Isolated 12Vdc +/- 10%	\$ 70.00
	3	Isolated 24Vdc +/- 10%	\$ 75.00
<input type="checkbox"/>	Pulse Output		
	0	No	\$ N/C
	1	Yes	\$ 25.00
<input type="checkbox"/>	Sensor Power		
	1	12Vdc	\$ N/C
	2	5Vdc	\$ N/C
	3	24Vdc	\$ 25.00
<input type="checkbox"/>	Analog Output		
	0	None	\$ N/C
	1xxxxx	0 to 5Vdc Non-isolated (xxxxx = full scale)	\$ 55.00
	2xxxxx	4 to 20ma Non-isolated (xxxxx = full scale)	\$ 60.00
	3xxxxx	0 to 5Vdc Isolated (xxxxx = full scale)	\$ 100.00
	4xxxxx	4 to 20ma Isolated (xxxxx = full scale)	\$ 105.00
<input type="checkbox"/>	Pulses per Revolution (input)		
	xxx	001 to 999	\$ N/C

Total ACT1B Price

Example Model Number: ACT1B operating from AC input power with pulse output, sensor supply of 12Vdc, and Non-isolated 4-20mA output with full scale output scale set at 10,000RPM and 60 pulses per revolution would be **Model #: ACT1B-1-1-1-210000-060**
Total Price: \$334.00

Example Model Number: ACT-1B operating from AC input power with pulse output, sensor supply of 12Vdc, and Non-isolated 4-20mA output with full scale output scale set at 10,000RPM and 60 pulses per revolution would be
Model #: ACT-1B-1-1-1-210000-060

To specify your **ACT-3X**, select options from the list below. Insert your selection in the boxes below and the cost of each option in the boxes to the left. PM Remote Software (Supplied on CD) and N.I.S.T. Calibration Certificate are included. All models can be programmed in the field using the 5 push buttons.

Base Price
\$299.00

ACT-3X - - - - - -



<input type="checkbox"/>	Input Power		
	1	100 to 240 Vac 50/60Hz	\$ N/C
	2	Isolated 12Vdc +/- 20%	\$ 70.00
	3	Isolated 24Vdc +/- 20%	\$ 75.00
<input type="checkbox"/>	Sensor Power		
	1	12Vdc	\$ N/C
	2	5Vdc	\$ N/C
	3	24Vdc	\$ 25.00
<input type="checkbox"/>	Analog Output		
	0	None	\$ N/C
	1	0 to 5Vdc Non-isolated	\$ 55.00
	2	4 to 20mA Non-isolated	\$ 60.00
	3	0 to 5Vdc Isolated	\$ 100.00
	4	4 to 20mA Isolated	\$ 105.00
<input type="checkbox"/>	Communications		
	0	Serial, 3.5mm phone plug (requires USB Programming cable with PM Remote)	\$ N/C
	1	RS232 Bi-directional serial interface with 9 pin connector	\$ 30.00
	2	USB (type B) Bi-directional serial interface	\$ 45.00
	3	Ethernet with RJ45 connector	\$ 95.00
<input type="checkbox"/>	Alarm Relay Outputs		
	0	None	\$ N/C
	1	2 Form C Relays rated 1 Amp @ 230Vac	\$ 70.00
<input type="checkbox"/>	Bentley Nevada Modification		
	0	None	\$ N/C
	1	Modification to support use of Bentley Nevada or Eddy style probes (-6V to -14Vdc)	\$ 50.00

Total ACT-3X Price

Example Model Number: ACT-3X operating from AC input power with sensor supply of 5Vdc, isolated 4-20mA output, Ethernet communications and 2 Form C relay outputs with no Bentley Nevada modification would be
Model #: ACT-3X-1-2-4-3-1-0

Frequency to Analog Converter/Isolator F2A1X

To specify your **F2A1X**: Select the input mode and analog output signal. Then specify the full scale output range of the analog output (the low will be set to zero). These ranges are factory pre-set or can be user configured with the optional USB cable and PM Remote software (see following page).

Price
\$249.00

F2A1X - - -

<input type="checkbox"/>	Input Mode (select input measurement mode)	
	1	Frequency (Hz/RPS)
	2	RPM (Assumes 1 pulse per revolution)
	3	Custom (Contact factory or order optional PM Remote software and USB programming cable, see accessories below).
<input type="checkbox"/>	Analog Output	
	1	0 to 5Vdc Isolated
	2	4 to 20ma Isolated
<input type="checkbox"/>	Full Scale Output	
	xxx	Specify full scale output of analog signal (1 to 600,000)

Application Example 1: Convert a 0 - 5000 RPM signal to a 4-20mA output
Model number = F2A1X - 2 - 2 - 5000

Application Example 2: Convert a 0 to 8kHz signal to a 0 - 5Vdc output that is proportional to 0 to 200,000 Gallons per hour GPH
Model number = F2A1X - 1 - 1 - 200,000

Note: More advanced setups such as multiple input pulses per revolution, elevated zeros and custom scale factors can be accomplished using the advanced setup capabilities of PM Remote Software and USB

PANEL TACHOMETER/FREQUENCY CONVERTER ACCESSORIES

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6180-031	\$99.00	USB Programming Cable and Software (supplied on CD)		3 ft. USB Programming Cable (3.5mm phono plug to USB) and Windows™ compatible PM Remote Software Package. Allows user configuration of operation mode, analog output scaling, decimal places, display update rate and pulses per input. View real time data in digital format and/or through Microsoft® Excel. Cable is required to enable communication with all ACT-1B versions and is required with ACT-3X with the "serial" Communications option "0".
6180-CAL	\$95.00	Calibration - N.I.S.T.		N.I.S.T. Traceable Certificate of Calibration / Re-calibration

See Pages 5-6 for sensors.

PORTABLE TACHOMETERS-TOTALIZERS Pocket -Tach Series CE on products indicated.

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6109-010	\$160.00	Pocket-Tach 99	X	Pocket Tach 99 Basic Tachometer with 12" Reflective Tape
6125-010	\$215.00	Pocket Laser Tach 200	X	Pocket Laser Tachometer/Timer/Totalizer with N.I.S.T. Traceable Certificate of Calibration and 12" of Reflective Tape.
6125-011	\$299.00	Pocket Laser Tach 200 Kit	X	Pocket Laser Tachometer 200 Kit includes Tach, RCA, Carrying Case, N.I.S.T. and 5 foot roll of T-5 Reflective Tape

ACCESSORIES

6180-028	\$42.00	EC-25P		25 Foot Extension Cable for remote sensors with male/female 1/8" phone plug connectors.
6180-070	\$13.00	T-5		Reflective Tape - 5 foot roll, 0.5 inch wide
6180-071	\$378.00	T-150		Reflective Tape - 150 foot roll, 0.5 inch wide
6180-079	\$16.00	T-5WP		Waterproof reflective tape (honeycomb pattern) - 5 foot roll, 1 inch wide
6180-074	\$55.00	RCA		Remote Contact Assembly with 6 foot (1.82m) cable includes contact tips (concave and convex) and 10 cm Linear Contact Wheel.
6180-077	\$20.00	CT-0.1M		Replacement 0.1 meter Linear Contact Wheel for use with RCA.
6580-010	\$10.00	CTE		Rubber concave, convex tips and 10 cm Contact Wheel
6580-011	\$45.00	12 inch Contact Wheel		Linear Contact Wheel with 12 inch circumference for use with RCA.
6280-037	\$35.00	CA-4044-6		Cable Assembly, 6 foot, for TTL input/output, 3.5 mm stereo phone plug to BNC connector.
6180-078	\$8.50	CT-TIPS		Replacement Tips concave and convex for RCA
6180-047	\$25.00	CC-10		Padded Pouch for all Models above.
6180-048	\$25.00	CC-11		Latching Plastic Carrying Case. Fits all Models above.
6180-CAL	\$95.00	Calibration - N.I.S.T.		N.I.S.T. Traceable Certificate of Calibration / Re-calibration

SENSORS

6180-036	\$210.00	MT-190P	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable
6180-020	\$200.00	IRS-P	X	Infrared Sensor with 8 foot cable, 3.5 mm plug and mounting bracket.
6180-057	\$142.00	ROS-P	X	Remote Optical Sensor with 8 foot cable, mounting bracket and 12 inches of reflective tape
6180-057-25	\$159.00	ROS-P-25	X	Same as 6180-057 with 25 foot cable
6180-902	\$165.00	ROSM-5P	X	Remote Optical Sensor, modulated, 8 foot cable, mounting bracket and 12 inches of reflective tape

SENSORS P= 3.5 mm phone plug termination. Remove any plug (P) to create a tinned wire (W) sensor. W = 3 tinned wire termination.

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6180-056	\$140.00	ROS-W	X	Remote Optical Sensor with 8 foot cable, mounting bracket and 12 inches of reflective tape
6180-057	\$142.00	ROS-P	X	Remote Optical Sensor with 8 foot cable, mounting bracket and 12 inches of reflective tape, 1/8" (3.5mm) phone plug connector
6180-057-25	\$159.00	ROS-P-25	X	Same as 6180-057 with 25 foot cable
6180-029	\$189.00	ROLS-P	X	Remote Optical Laser Sensor with 8 foot cable, 1/8" (3.5mm) phone plug connector, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-030	\$187.00	ROLS-W	X	Remote Optical Laser Sensor with 8 foot cable, 3 tinned leads, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-035	\$190.00	ROLS24-W	X	Remote Optical Laser Sensor with 8 foot cable, 3 tinned leads, mounting bracket with jam nuts and 12 inches of T-5 tape (12-24 Vdc input power).
6180-902	\$165.00	ROSM-5P	X	Modulated Remote Optical Sensor with 8 foot cable, and 12 inches of reflective tape, 1/8" (3.5mm) phone plug connector.
6180-903	\$182.00	ROSM-5W	X	Modulated Remote Optical Sensor with 22 foot cable and 12 inches of reflective tape, tinned wire termination.
6180-058-25	\$299.00	ROS-HT-W-25		Same as 6180-056 for high temperature applications to 257°F (125°C) with 25 foot cable.
6180-020	\$200.00	IRS-P	X	Infrared Sensor with 8 foot cable, 3.5 mm plug and mounting bracket.
6180-021	\$200.00	IRS-W	X	Infrared Sensor with 8 foot cable, tinned wires and mounting bracket.
6180-012	\$115.00	M-190W	X	Magnetic Sensor with 8 foot cable
6180-037	\$210.00	MT-190W	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable with tinned wire termination.
6180-036	\$210.00	MT-190P	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable and 1/8" (3.5mm) phone plug connector.
6180-013	\$105.00	P5-11	X	Proximity Sensor with 6 foot cable.
6180-014	\$245.00	GE-200HP		Electromagnetic Inductive Spark Plug Sensor and Amplifier with 15 feet of cable.

ACCESSORIES

1064-2022-001	\$1.00	WIRE PER FOOT		3-wire shielded Sensor Cable, bulk lengths for any sensor. Specify Total Length.
6180-070	\$13.00	T-5		Reflective Tape 5 foot roll, 0.5 inch wide
6180-067	\$26.00	T-5 (2 pack)		Reflective Tape 5 foot roll, 0.5 inch wide (2 pack)
6180-079	\$16.00	T-5WP		Waterproof reflective tape (honeycomb pattern) - 5 foot roll, 1 inch wide

REPLACEMENT PARTS

4180-405R	\$95.00	Mag Amp		Amplifier for MT-190P Sensor, 3 foot cable and 3.5 mm phone plug.
4180-406R	\$95.00	Mag Amp		Amplifier for MT-190W or GE-200 Sensor, 3 tinned wire termination.
4180-132	\$60.00	CAGE200		Cable, 15 feet, for OM1200 and OM200 Sensor.
1053-0189-001R	\$3.00	ROS-NUT		M16 jam nut (2 required)
1052-4350-112R	\$3.00	ROS-MNT		90° slotted aluminum mounting bracket
1053-0190-001R	\$3.00	ROLS-NUT		M18 jam nuts (2 required)
1052-4450-110R	\$3.00	ROLS-MNT		90° slotted aluminum mounting bracket

SELF POWERED SENSORS

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6150-020	\$375.00	SPSR-115/230	X	SPSR interface Module, PSC-2U, ROS-P and 12 inches of T-5 tape.
6150-021	\$240.00	SPSR-IM	X	Interface Module with PSC-2U 115/230 Power Supply/Recharger.
6180-022	\$1,275.00	SLS-115/230	X	Smart Laser Sensor with 115/230 Vac PR Universal recharger, includes: (1) SLS-CA-BNC output cable 8 feet (2.5m), 12 inches of T-5 reflective tape and N.I.S.T. Traceable Certificate of Calibration.
ACCESSORIES				
6180-027	\$25.00	CA-DCSPSR		6 Foot Cable Assembly with Lighter Plug for 9-15 VDC operation of SPSR-IM.
6180-029	\$189.00	ROLS-P	X	Remote Optical Laser Sensor with 8 foot cable, 1/8" (3.5mm) plug connector, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-057-25	\$159.00	ROS-P-25	X	Remote Optical Sensor with 25 foot cable, mounting bracket and 12 inches of reflective tape.
6180-036	\$210.00	MT-190P	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable.
6180-020	\$200.00	IRS-P	X	Infrared Sensor with 8 foot cable, 3.5 mm plug and mounting bracket.
6180-028	\$42.00	EC-25P		25 Foot Extension Cable for remote sensors with male/female 1/8" plug connectors.
6180-023	\$32.00	SLS-CA-BNC		DIN Output Cable, 8 feet (2.5m) with BNC plug.
6180-024	\$32.00	SLS-CA-W		DIN Output Cable, 8 feet (2.5m) with tinned wire termination.
6180-025	\$32.00	SLS-CA-P		DIN Output Cable, 8 feet (2.5m) with 1/8 inch (3.5 mm) mono plug.
6180-026	\$32.00	SLS-CA-RS232		DIN Output Cable, 8 feet (2.5m) with DB9 (9-pin) connector for RS232.
6180-070	\$13.00	T-5		Reflective Tape - 5 foot roll, 0.5 inch wide.
6180-071	\$378.00	T-150		Reflective Tape - 150 foot roll, 0.5 inch wide.
6180-079	\$16.00	T-5WP		Waterproof Reflective Tape (honeycomb pattern) - 5 foot roll, 1 inch wide.
REPLACEMENT PARTS				
6280-022	\$30.00	PSC-2U	X	SPSR Universal Power Supply/Recharger (115 to 230 Vac) with USA, EURO, UK, AUS adapter plugs.
6280-017	\$70.00	PR Universal	X	SLS Recharger, 100-240 Vac, 50-60 Hz, with USA, EURO, UK, AUS adapter plugs.
6180-066	\$22.00	BP-R		Replacement Battery Pack (NiMH) for SPSR-IM
6180-057	\$142.00	ROS-P	X	Remote Optical Sensor with 8 foot cable, mounting bracket and 12 inches of reflective tape.

PORTABLE VIBRATION METER Examiner 1000 Series CE on products indicated

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
6400-010	\$1,800.00	Examiner 1000 System	X	Overall Vibration Meter, electronic stethoscope and OnTime GP Software . Includes: Vibration Meter, batteries, accelerometer and integrated cable, magnetic base, stinger probe, stereo headphones, field carrying case, owners manual and Machinery Data Worksheet.
6400-011	\$1,200.00	Examiner 1000	X	Same as 6400-010 except without OnTime Software
6400-014	\$1,325.00	Examiner 1000 Kit	X	Same as 6400-010 except with OnTime GPlite software on CD . Supports 300 data points. (Requires manual entry of data.)
6480-020	\$695.00	OnTime GP Software		Trending Software for Windows. Unlimited data points, programmable alarms, curve fitting, forecast overall vibration, upgradeable. (Requires manual entry of data.)
REPLACEMENT PARTS				
6480-029	\$1,995.00	iLearnVibration Instructor with LPT Security Dongle		
6400-012	\$995.00	Examiner 1000 Meter	X	Replacement Vibration Meter ONLY (with batteries).
6480-030	\$400.00	Sensor Pak	X	Accelerometer with integral cable, magnetic base, stinger probe and connecting stud
6480-031	\$255.00	Accelerometer	X	100 mV/g with 6 foot coiled cable, 1/4" x 28 Tapped Hole
1065-1200-007	\$110.00	Replacement cable	X	Replacement 6 foot cable for 0.59" hex accelerometer
6480-035	\$95.00	Replacement cable	X	Replacement 6 foot cable for 0.875" hex accelerometer
6480-032	\$120.00	Magnetic Base		Replacement Magnetic Base for 6480-031 Accelerometer
6480-033	\$2.00	Connecting Stud		Hex Socket/Cup Point Set-Screw, Steel 1/4"-28 thread by 3/8". Adapts Magnetic Base to Accelerometer or Stinger to Accelerometer.
6480-034	\$45.00	Stinger		4.5" Stainless Steel Probe with 1/4" x 28 Tapped Hole.
6480-040	\$60.00	NR Headphones	X	Passive Noise Reduction Headphones, 1/8" (3.5 mm) stereo plug, coiled 8 foot cable.
6480-042	\$45.00	Carrying Case		Holster Style, Padded Ballistic Nylon with Belt Clip and Shoulder Strap.
6480-050	\$26.50	Owner's Manual		User Manual for Examiner 1000 Vibration Meter and Electronic Stethoscope
6480-051	\$10.50	MDWS Book		Machinery Data Worksheet Book with 40 Sheets.
6480-CAL	\$150.00	N.I.S.T. Calibration		N.I.S.T. Traceable Certificate of Calibration / Re-calibration

DATA CHART 1250 PAPERLESS RECORDER

To Specify your DataChart 1250, select options from the list below. Insert your selection in the boxes above and the cost of each option in the boxes to the left. Add the base price to the option pricing for the total.

MODEL NUMBER **DC1250 -** **Example Model #: DC1250 – U11 = \$ 764.00**



Calculate Price

\$599.00

Base Instrument

Power

- U Universal AC Adaptor** \$ N/C
100 - 240 Vac wall adapter with Interchangeable Plug Set. (North American, U.K., AUS, and Europe).
- D DC Input Power:** 12 - 24Vdc input power, isolated. \$ 25.00

Rechargeable Battery

- 0 None** \$ N/C
- 1 Rechargeable Battery** NiMhi Battery pack will operate recorder for up to 6 hours in the event of a power loss. Only available with power option U above. \$ 100.00

Communications

- 0 None** \$ N/C
- 1 USB*** Mini front accessible USB 2.0 port for downloading data from memory card directly to PC. Includes USB cable. \$ 65.00
- 2 Ethernet*** 10/100BaseT Ethernet, rear access RJ45 connector. Allows network access to data card files. \$ 100.00

* Requires Navigator Software
Total DataChart 1250 Price

ITEM NUMBER	PRICE	MODEL	CE	DESCRIPTION
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ACCESSORIES

5380-260	\$99.00	Navigator		Windows Compatible Software for graphic analysis, printing, transfer and export
4380-500	N/C	Navigator Lite		Lite version allows viewing of data in table format and exporting (included with recorder)
5380-102	\$50.00	CFCR	X	Compact Flash Card Reader, USB 2.0 compatible
5380-151	\$10.00	MAS250R		250 ohm precision resistor for current inputs, 0.1%, 0.5 watt
5380-142	\$189.00	NEMA 4X Kit		Pre-Cut NEMA 4X hinged enclosure with SPC-1250 clear removable splash proof cover
5380-141	\$40.00	SPC-1250		NEMA 4/IP65 clear removable splash proof cover

COMPACT FLASH CARDS

4380-164R	\$50.00	MC512MBCF	X	512 Megabyte Compact Flash Card
4380-165R	\$65.00	MC1024MBCF	X	1 Gigabyte Compact Flash Card
4380-166R	\$80.00	MC2048MBCF	X	2 Gigabyte Compact Flash Card

SENSORS (PLUG AND PLAY)

5380-326	\$99.00	THS-W		Temperature/Humidity Sensor with 8 foot cable
6180-056	\$140.00	ROS-W	X	Remote Optical Sensor with 8 foot cable and 3 tinned leads, mounting bracket and 12 inches of reflective tape
6180-057-25	\$159.00	ROS-P-25	X	Remote Optical Sensor with 25 foot cable, mounting bracket and 12 inches of reflective tape, 1/8" (3.5mm) phone plug connector (cut plug off for connection to wire terminals).
6180-058-25	\$299.00	ROS-HT-W-25		Same as 6180-056 for high temperature applications to 257°F (125°C) with 25 foot cable.
6180-030	\$187.00	ROLS-W	X	Remote Optical Laser Sensor with 8 foot cable, 4 tinned leads, mounting bracket with jam nuts and 12 inches of T-5 tape.
6180-037	\$210.00	MT-190W	X	Magnetic Trigger Sensor/Amplifier with 8 foot cable
6180-021	\$200.00	IRS-W	X	Infrared Sensor with 8 foot cable tinned wires and mounting bracket
6180-014	\$245.00	GE-200HP		Electromagnetic Inductive Spark Plug Sensor and Amplifier with 15 feet of cable.

CALIBRATION

CAL-NIST	\$125.00	NIST-1250		N.I.S.T. Traceable Certificate of Calibration with documentation
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REPLACEMENT PARTS

5380-331	\$40.00	PSC-2UW	X	Standard AC adapter, 100-240Vac wall adapter with Interchangeable plug set
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ULTRASONIC LEAK DETECTORS ULTRAPRO AG500 SERIES

ITEM NUMBER	PRICE	MODEL	CE DESCRIPTION
7830-0901	\$450.00	UltraPro AG500 System	Ultrasonic Leak Detector System includes: Meter, 2 sets of head phones, Tone Generator, 9V Batteries, Wave Guide, Contact Probe and Padded Carrying Case.

FLEXIBLE FIBERSCOPIES Available with internal and external light source

ITEM NUMBER	PRICE	MODEL	CE DESCRIPTION
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FSI Internal Light Models

7831-0901	\$340.00	MONARCH FSI-24-6-H	Fiberscope, Internal Light, length 24 inches x 5.8 mm diameter with Halogen Lamp.
7831-0902	\$340.00	MONARCH FSI-24-10-L	Fiberscope, Internal Light, length 24 inches x 10 mm diameter with LED Lamp.
7831-0903	\$420.00	MONARCH FSI-36-6-H	Fiberscope, Internal Light, length 36 inches x 5.8 mm diameter with Halogen Lamp.
7831-0904	\$420.00	MONARCH FSI-36-10-L	Fiberscope, Internal Light, length 36 inches x 10 mm diameter with LED Lamp.
7831-0905	\$610.00	MONARCH FSI-48-6-H	Fiberscope, Internal Light, length 48 inches x 5.8 mm diameter with Halogen Lamp.
7831-0906	\$610.00	MONARCH FSI-48-10-L	Fiberscope, Internal Light, length 48 inches x 10 mm diameter with LED Lamp.

FSX External Light Models (require external flashlight source)

7831-0910	\$340.00	MONARCH FSX-24-6	Fiberscope, External Light, length 24 inches x 5.8 mm diameter. (requires Xenon flashlight)
7831-0911	\$420.00	MONARCH FSX-36-6	Fiberscope, External Light, length 36 inches x 5.8 mm diameter. (requires Xenon flashlight)
7831-0912	\$610.00	MONARCH FSX-48-6	Fiberscope, External Light, length 48 inches x 5.8 mm diameter. (requires Xenon flashlight)
7831-0913	\$1,000.00	MONARCH FSX-60-6	Fiberscope, External Light, length 60 inches x 5.8 mm diameter. (requires Xenon flashlight)
7831-0914	\$1,157.00	MONARCH FSX-72-6	Fiberscope, External Light, length 72 inches x 5.8 mm diameter. (requires Xenon flashlight)
7831-0915	\$1,313.00	MONARCH FSX-84-6	Fiberscope, External Light, length 84 inches x 5.8 mm diameter. (requires Xenon flashlight)
7831-0916	\$1,495.00	MONARCH FSX-96-6	Fiberscope, External Light, length 96 inches x 5.8 mm diameter. (requires Xenon flashlight)

ACCESSORIES

7831-0951	\$59.00	Xenon Flashlight	Compact Xenon Flashlight, Scorpion 85001 with batteries and spare Xenon lamp.
7831-0953	\$20.00	Mirror Attachment, 5.8 mm	Mirror Attachment for 5.8 mm diameter models.
7831-0954	\$20.00	Mirror Attachment, 10 mm	Mirror Attachment for 10 mm diameter models.
7831-0955	\$20.00	Magnet Attachment, 5.8 mm	Magnet for Attachment for 5.8 mm diameter models.
7831-0956	\$20.00	Magnet Attachment, 10 mm	Magnet for Attachment for 10 mm diameter models.

REPLACEMENT PARTS

7831-0952	\$8.00	Battery for Scorpion Flashlight	CR123 Lithium replacement Battery for Scorpion Flashlight.
7831-0957	\$8.00	Spare Bulb For FSI Models	Spare Halogen lamp for FSI-H Models only.
7831-0958	\$14.00	Battery for the FSI-H Models	Ultra Photo Lithium Battery (DL223) for FSI-H Models only.

EXTENDED WARRANTY AVAILABLE FOR ALL PRODUCTS Except Sensors

To select a 2-Year Extended Warranty locate the PRICE OF THE INSTRUMENT in this Price List and use the corresponding ITEM NO. below.

Price of Instrument	Warranty Item No.	Warranty Price	DESCRIPTION
<\$200	5000-600	\$28.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.
<\$400	5000-601	\$56.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.
<\$600	5000-602	\$84.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.
<\$1,000	5000-603	\$140.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.
<\$1,500	5000-604	\$210.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.
<\$2,000	5000-605	\$280.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.
<\$2,500	5000-606	\$350.00	2-year Extended Warranty combined with 1-year Standard Warranty for 3 years of protection.

TERMS and CONDITIONS Ordering Information, Return Policy

Placing An Order: Orders may be placed with your Monarch Instrument Distributor or directly with Monarch Instrument in Amherst, NH via fax, e-mail, U.S. Mail or at www.monarchinstrument.com.

For placement of orders directly to Monarch Instrument: MONARCH INSTRUMENT 15 Columbia Drive Amherst, NH 03031-2334 USA Tel: 800-999-3390 or 603-883-3390 Fax: 603-886-3300 E-mail: sales@monarchinstrument.com Website: www.monarchinstrument.com

Prices are F.O.B. Amherst, New Hampshire and subject to change without notice. All product sales are subject to the terms and conditions of sale set forth on Monarch Instrument's Invoice.

Expedite Fee:	Orders received before 2:00 P.M. EST may be shipped same day, if the product is in stock, for a fee of \$25.00.
Minimum Order:	A \$50.00 net minimum order amount applies to all orders.
Re-stocking Fee:	A minimum 15% re-stocking fee will be charged for items returned for credit.
Credit Terms:	Credit terms are granted at the sole discretion of Monarch Instrument. Unless credit is approved in advance, Buyer agrees to accept delivery and pay by company check or

Repair and Calibration Service Policy: All items being returned to Monarch Instrument for repair and/or calibration must have an RMA Number and be shipped prepaid by customer. Items accepted

Return To: Monarch Instrument
Attn: Repair Department RMA# XXXXX
15 Columbia Drive
Amherst, NH 03031-2334 USA