

INSTRUMENTS

DIGITAL THERMOMETER

- Rugged design for field use - includes rubber holster
- Accurate to 0.3%
- °C/°F switchable
- Front panel offset adjustment to optimize accuracy
- Displays maximum reading plus data hold on large LCD display
- Includes 9V battery, holster with stand, wrist strap

TEMPERATURE

Range: -50° to 1300°C / -58° to 2000°F
Accuracy: 0.3% rdg + 1°C; > 1000°C - (0.5%)/0.3% rdg + 2°F
Resolution: 0.1° or 1° (user selectable)
Dimensions: 6.5 x 3.0 x 1.7" (165 x 76 x 43 mm including holster)
Weight: 14.2 oz (403 g)

MODEL NO. HN208 DELUXE

Complete digital thermometer kit includes **Model HX392** digital thermometer, air, surface and general purpose probe all in a hard carrying case for easy transportation.

Model No.	Description
HX392	Digital Thermometer, Type "K", Single Input
HN208	Thermometer Kit incl. air, surface and general purpose probes and case
HN215	5 point NIST Certificate

REED



THERMOCOUPLE PROBES

Model No.	Description	Max. Temperature
HN209	Surface Probe	400°C
HN210	Spring-Loaded Surface Probe	500°C
HN211	Right-Angle Surface Probe	400°C
HN212	Air/Gas Probe	800°C
HN213	Needle Tip Probe	800°C
HN214	General Purpose Probe	700°C

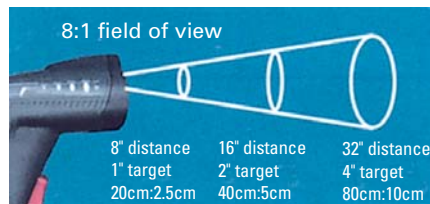
INFRARED THERMOMETERS

MINI

- Unique flat surface and modern housing design
- Built in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Overrange indicator, auto data hold (when trigger released) and auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- User selectable °C or °F
- Carrying case and battery included



REED



LASER POINTER

For better aim of target area

WIDE RANGER

From -58 °F for freezers, and up to 1400 °F for automotive and industrial applications

DISTANCE TO TARGET RATIO

Defines the maximum spot size for measurements at a given distance.

WIDE RANGE MINI

- Unique flat surface and modern housing design
- Wide temperature range from -50°C to 550°C
- Built in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Overrange indicator, auto data hold (when trigger released) and auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- User selectable °C or °F
- Carrying case and battery included



Model No.	HX242
Mfg. No.	ST-880
Measuring Range	-50°C to 280°C/-58°F to 536°F
Display	LCD Backlit
Response Time	< 1 Second
Emissivity	0.95 Fixed
Distance to Spot Size Ratio	8:1
Resolution	1°C/1°F
Dimensions	160 x 82 x 41 mm
Weight	177 grams

PROFESSIONAL HIGH TEMPERATURE

- Unique flat surface and modern housing design
- High temperature range to 1382°F / 750°C
- Built in laser pointer identifies target area
- 12:1 distance to spot ratio measures smaller surface areas at a greater distance
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Overrange indicator, auto data hold (when trigger released) and auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- User selectable °C or °F
- Carrying case and battery included



Model No.	HX245
Mfg. No.	ST-8819
Measuring Range	-50°C to 750°C
Display	LCD Backlit
Response Time	< 1 Second
Emissivity	0.95 Fixed
Distance to Spot Size Ratio	12:1
Resolution	0.1°C up to 200°C, 1°F over 200°F
Dimensions	230 x 100 x 56 mm
Weight	290 g

PROFESSIONAL HIGH TEMPERATURE

- Unique flat surface and modern housing design
- Temperature range to 1022°F / 550°C
- Built in laser pointer identifies target area
- 12:1 distance to spot ratio measures smaller surface areas at a greater distance
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Overrange indicator, auto data hold (when trigger released) and auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- User selectable °C or °F
- Carrying case and battery included



Model No.	HX244
Mfg. No.	ST-8818
Measuring Range	-50°C to 550°C
Display	LCD Backlit
Response Time	< 1 Second
Emissivity	0.95 Fixed
Distance to Spot Size Ratio	12:1
Resolution	0.1°C up to 200°C, 1°F over 200°F
Dimensions	230 x 100 x 56 mm
Weight	290 g

INFRARED & AIR THERMOMETER/HUMIDITY METER

- Temperature Range : -50°C to 500°C / -58°F to 932°F
- Humidity Range : 0%RH - 100% RH, 0.1% RH resolution
- Large, easy to read backlit LCD with dual display
- Max and hold function, auto shut off
- Fixed 0.95 emissivity covers 90% of surface applications
- User selectable °C or °F
- Carrying case and battery included



Model No.	HX384
Mfg. No.	ST-616CT
Measuring Range	-50°C to 500°C/-58°F to 932°F
Display	Dual LCD Backlit
Response Time	< 1 Second
Emissivity	0.95 Fixed
Distance to Spot Size Ratio	8:1
Resolution	0.1°C up to 200°C, 1°F over 200°F
Dimensions	150 x 72 x 35 mm
Weight	210 g

PHOTO CONTACT TACHOMETER

One meter provides precise RPM measurements with or without contact.

Multi-Functional: New patented design incorporates both a photo and contact tachometer into one precision instrument.

Wide Measuring Range: From 0.5 to 20,000 RPM in contact mode from 5 to 99,999 RPM in photo mode. Linear surface speed measurements are 0.2 to 6560 ft/min. or 0.05 to 1999.9 m/min.

Memory Recall Button: Automatically holds last reading for 5 minutes and recalls minimum and maximum readings.

Highly Visible LCD Display: Characters on the large 5 digit display reverse direction depending on which measurement mode you are in.

Microcomputer LSI Circuitry: Provides accuracy to 0.05% and permits readings to a resolution of 0.1 RPM in either photo or contact mode.

Rugged Construction: ABS plastic housing assures years of maintenance free performance. Designed to fit comfortably in either hand.

Accessories Included: 3" wheel, 1 cone adaptor, 1 cone tip, 1 funnel cone, 1 funnel tip, one sheet of tabs, carrying case.



SPECIFICATIONS:

READING RANGE:

Model No. HF964 - Mfg. No. K4010
Photo/Contact Tachometer

Photo Mode:	5 to 99,999 RPM
Contact Mode:	0.5 to 20,000 RPM
Surface Speed:	0.05 to 1,999.9 RPM/0.2 to 6,560 FPM
Resolution:	0.1 RPM < 999.9 RPM, 1 RPM > 1000 RPM; 0.1 MPM < 99.99 MPMP; 0.1 FPM < 99.99 FPM, 1 FPM > 1000 FPM
Accuracy:	±(0.5% + 1 digit)
Sampling Time:	Photo: 1 sec. > 6 RPM; Contact: 1 sec. > 60 RPM
Detecting Dist.:	50 to 150 mm (2" to 6") typically; 300 mm (12") max.
Display:	5 digit LCD 10 mm high
Power Supply:	(4) 1.5 V L AA batteries
Time Base:	Quartz Crystal
System Control:	Single chip micro computer LSI circuit
Operating Temp.:	0° to 50°C
Dimensions:	215 x 65 x 38 mm
Weight:	300 g

PELICAN PROTECTOR EQUIPMENT CASES

Light, strong, watertight and airtight for the ultimate protection. Constructed of copolymer and polypropylene. Supplied complete with pre-scored pick and pluck foam or padded dividers (no cutting required). Custom foam insert fabricated on special order. Also includes ABS locking flanges, massive multiple latches and a comfortable moulded grip handle. HA597 and HA603 supplied with solid foam only.

FEATURES:

"O"-Ring Seal: Exclusive 1/4" neoprene "O"-Ring guarantees a perfect seal. Neither dust nor water can penetrate this barrier to damage your equipment. These rings are easily replaced if damaged.

Purge Valve: All cases are absolutely airtight. Exclusive built-in "O"-Ring sealed pressure purge valve allows for quick equalization after changes in temperature or altitude.



PROTECTIVE CASES

Model No.	Description	Inside Dimensions L" x W" x D"	Outside Dimensions L" x W" x D"	Wt. lbs.
HA292*	1200 Case	9 3/8 x 7 5/16 x 4 1/8	10 5/8 x 9 3/4 x 4 15/16	3.47
HA419*	1300 Case	9 3/8 x 7 5/16 x 6 1/4	10 5/8 x 9 3/4 x 7	4.28

INTEGRAL PERSONALIZED NAMEPLATE

HA450*	1400 Case	12 x 9 1/8 x 5 1/8	13 3/8 x 11 11/16 x 6 1/16	5.49
HA501*	1500 Case	17 x 11 1/2 x 6 1/4	18 5/16 x 14 1/8 x 7	8.70
HA510*	1550 Case	18 7/8 x 14 1/2 x 7 3/16	20 5/8 x 17 3/16 x 8 9/16	13.37
HA536*	1600 Case	21 5/8 x 16 7/8 x 7 7/8	24 1/4 x 19 7/16 x 8 11/16	16.52

RECTANGULAR HANDLE

HA597	1700 Case	35 3/4 x 13 3/4 x 5 1/4	38 7/16 x 17 9/16 x 6 1/4	19.72
HA603	1750 Case	50 1/2 x 13 1/2 x 5	52 7/8 x 17 1/2 x 6	28.34

* Fold down handle

ILLUMINOMETERS

Accurately displays light level in terms of Foot Candles (FC) or Lux, over a wide range.

Measures from 0 to 5000 FC in three ranges with a resolution from 0.1 FC and from zero to 50,000 lux in three ranges from 1 lux.

Automatic zero adjustment, sampling time of 0.4 second and large 0.5" LCD readout.



Model No.	Mfg. No.	Description
HF979	K7020	Illuminometer
HA292	1200C	Deluxe carrying case
HF211	CA-03	Vinyl carrying case

SOUND LEVEL METER

- One button provides fast, accurate noise level readings
- Measures any level from 40-120 dB(A)
- Unit equipped with LED battery test indicator
- Uses 2.7 volt battery



Model No.	Mfg. No.	Description
HK708	SL-120	Sound level meter
HA292	1200C	Deluxe carrying case
HF211	CA-03	Vinyl carrying case

ORION MULTIGAS DETECTOR

The standard for reliability, ease of use, and durability.

- Detects up to 4 gases including O₂, CO, H₂S, and combustible gas
- Simple, one-button calibration
- Easy to use under any conditions, in any environment
- Large display, with contrast for quick, easy readings
- Tough and durable, IP54 rating; passes a 6' drop test
- 4 sensors & alkaline battery pack included

Model No. HX110 Mfg. No. A-Orion



PULSTAR™ MAINTENANCE-FREE SINGLE-GAS DETECTORS

- Reliable, easy to use and durable with a service life of 24 months
- Sensor options for CO, H₂S or O₂
- Ideal for oil & gas, chemical, construction, utilities, fire service industries and many other industrial applications
- Provides a two-year service life with no maintenance
- Patented MSA-built Button™ sensors feature stainless steel construction and contain solid electrolyte, eliminating the possibility of sensor leakage
- Extremely small, thin sensor profile allows high performance in a very small package
- Offers a simple, easy to read display, allowing the user the count down the service life from 24 months with accuracy
- Designed to meet IP54 rating
- Highly water and dust resistant
- Audio alarm is loud and is designed not to be confused with other workplace sounds
- Optional vibrating alarm emits a pulsing vibration that further calls attention to the user when in alarm mode
- Designed to withstand a 6' drop
- Solid-state circuitry and rugged case design increases impact resistance and minimizes the chance for breakage



HX176



HX178

Model No.	Mfg. No.	Description
HX174	10032580	CO, 25 PPM & 100 PPM, with non-vibrating alarm
HX175	10032581	CO, 25 PPM & 100 PPM, with vibrating alarm
HX176	10032590	H ₂ S, 10 PPM & 15 PPM, with non-vibrating alarm
HX177	10032591	H ₂ S, 10 PPM & 15 PPM, with vibrating alarm
HX178	10032596	O ₂ , 22.5% & 19.5%, with non-vibrating alarm
HX179	10032597	O ₂ , 22.5% & 19.5%, with vibrating alarm

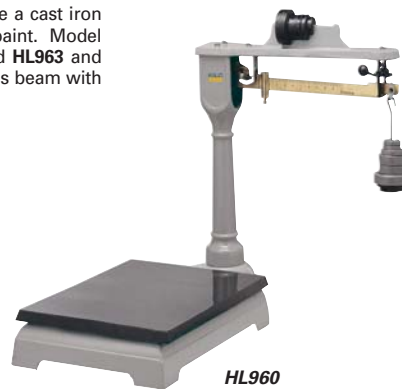
SCALES

PLATFORM SCALES

These heavy-duty platform scales have a cast iron construction finished with enamel paint. Model **HL956**, **HL960** are bench top units and **HL963** and **HL966** are portable. Rust resistant brass beam with dual (kg/lbs) reading.

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GOVERNMENT CERTIFIED

KILOTECH



HL960



HL966

Model No.	Cap. kg/lbs.	Metric		Beam Graduation	Imperial		Platform Size"	Wt. lbs.
HL960	50/100	2 kg	x 20 g	/	5 lbs.	x 1 oz.	10 x 14	65
HL956	100/200	5 kg	x 50 g	/	10 lbs.	x 1 oz.	12 x 16	88
HL963	300/600	25 kg	x 100 g	/	50 lbs.	x 4 oz.	16 x 24	242
HL966	500/1200	25 kg	x 100 g	/	50 lbs.	x 8 oz.	24 x 24	396

RECEIVING SCALES

These scales are heavy-duty, general purpose and are suitable for light industrial or shipping applications. The easy-to-read indicator is connected to the base by an 8' coiled cord that allows convenient remote placement. Large removable stainless steel platform allows for easy clean up. A keypad toggle allows easy kg/lb selection.

FEATURES:

- Kg/lb modes
- Programmable Auto-Off function
- Heavy-duty 8' coiled cord
- Removable stainless steel platform, 11.75" L x 12.25" W
- Zero, Tare & kg/lb (toggle) keys
- 1 1/2" x 3" display
- Power supply: 6 AA alkaline batteries (not included) or 120 V AC adapter (included)
- One year warranty

KILOTECH



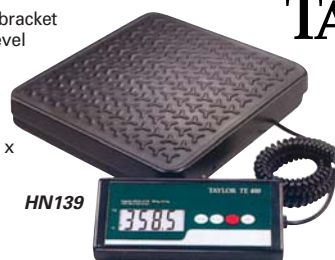
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Model No.	Mfg. No.	Capacity x Graduations
HX632	KPS-50	110 lbs. x 0.1 lbs/50 kg x 0.05 kg
HX633	KPS-100	220 lbs. x 0.2 lbs/100 kg x 0.1 kg

RECEIVING SCALES

- Easy-to-read, 1" LCD remote display with 6' cord and mounting bracket wall-mounting the remote display offers the advantage of eye-level readings, especially when weighing large items
- Dual powered: 120 VAC adaptor (included) or 6 AA batteries
- Removable, corrosion-resistant steel platform
- Non-skid feet assure weighing stability
- Compact, low-profile design for space saving efficiency - 12 1/4" x 12" platform and 8 3/4" x 3 5/8" x 1 5/8" control panel
- Large buttons provide easy access to functions
- Advanced, user-friendly modes: lbs/kg; Auto Tare; Auto Hold
- Auto Off after 2 minutes of non-use to conserve battery life (low battery indicator)

Model No.	Mfg. No.	Capacity x Graduation	Platform Type
HN138	TE150	150 lbs. x 0.2 lbs/68 kg x 0.1 kg	Stainless steel
HN139	TE400	400 lbs. x 0.5 lbs/181 kg x 0.2 kg	Steel tread plate



HN139

TAYLOR



HN138

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6" ALL STAINLESS ELECTRONIC DIGITAL CALIPER

- Large LCD display provides easy-to-read numbers
- Hardened stainless steel head and body
- Precision adjustments for accurate measurements
- Lock screw to hold slide in position
- Inch/millimetre conversion
- Zero at any position
- 0-6"/152 mm measurement range
- Linear accuracy: $\pm 0.01"/0.03$ mm
- Approximate jaw depth: 1 1/2"/38 mm outside, 5/8"/16 mm inside
- Includes two 1 1/2 V batteries
- Deluxe storage case with foam insert

Model No. TGZ370



aurora tools

B124

18892E

LOW PROFILE BENCH SCALES

The **ES Series** design makes this low profile scale perfect for shipping, receiving and general bench applications. Easy two-button operation and large display guarantees accurate and unmistakable results. The 3-way mounting bracket (included) allows you to mount the indicator to front of scale base, above the base, or to any vertical surface.

- Display weight in kg, lbs, oz. or combined lb:oz*
- Stainless steel weighing platform and epoxy painted steel frame
- AC or battery powered operation

5 year warranty on parts and labour.

Includes 3-way mounting bracket and AC adapter.

Model No.	Mfg No.	Capacity lbs/kg/oz.	Readability lbs/g/oz.	Platform Size L" x W" x H"
HN272	ES30R	66/30/1056	0.05/10g/0.5	12.2 x 10.8 x 1.5
HN273	ES50R	110/50/1760	0.05/20/1	12.2 x 10.8 x 1.5
HN274	ES50L	110/50/1760	0.05/20/1	20.5 x 15.7 x 3
HN275	ES100L	220/100/3520	0.01/50/2	20.5 x 15.7 x 3
HN276*	ES200L	440/200/7040	0.02/100/5	20.5 x 15.7 x 3

* Lb:oz display not available on Model HN276.



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ELECTRONIC DIGITAL WEIGHING SCALES

KILOTECH



- Suitable for a wide range of applications
- Four weighing modes: g, kg, lbs. and oz.
- Removable stainless steel platform
- Large LCD display (15/16"/25 mm)
- Battery or AC adapter operated (included)
- ABS enclosure

Model No.	Mfg.No.	Capacity	Graduation
NOT LEGAL FOR TRADE			
HX142	SW5	2 kg/5 lbs.	1 g/0.002 lbs.
HX143	SW10	5 kg/10 lbs.	2 g/0.005 lbs.
HX144	SW20	10 kg/20 lbs.	5 g/0.01 lbs.
HX145	SW50	20 kg/50 lbs.	10 g/0.02 lbs.

Model No.	Mfg.No.	Capacity	Graduation
LEGAL FOR TRADE			
HX052	SW5	2 kg/5 lbs.	1 g/0.002 lbs.
HN278	SW10	5 kg/10 lbs.	2 g/0.005 lbs.
HN279	SW20	10 kg/20 lbs.	5 g/0.01 lbs.
HN280	SW50	20 kg/50 lbs.	10 g/0.02 lbs.



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PORTABLE ELECTRONIC BALANCES

The **Scout Pro** is a portable balance designed to meet the most common weighing requirements in the lab, on the production line, in the field or the classroom. Features a large LCD, removable stainless steel pan and simple two-button operation. Weight display in g, kg, oz., lb, lb:oz.; and Troy ounce or pennyweight weight units for weighing precious materials.

Powered by 4 AA batteries (not included) or included AC adapter pack.

Dimensions: 6.0" W x 2.2" H x 6.3" D. Weight: 1.8 lbs.

MULTIPLE WEIGHING MODES:

- Parts counting
- % weighing
- Display hold for shipping applications
- AC or battery power for portability

5 year warranty on parts and labour.

Model No.	Mfg. No.	Capacity (g)	Readability (g)	Pan Size
HX216	SP202	200	0.01	4.7" Diameter
HX218	SP401	400	0.1	6.5" x 5.5"
HM315	SP601	600	0.1	6.5" x 5.5"
HM065	76288-01	Security Device		
HM316	77256-01	Carrying Case		

UTILITY SCALE

This general purpose, portable weighing scale can be used in shipping and receiving areas. The large dual dial is easy to read from either the top or side position. The memory lock lever will hold the reading when dial is obscured by an oversized package.

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Model No.	Cap.	x	Grad.	L"	x	W"	x	H"
HL933	250lbs.	x	1 oz.	13 1/2	x	11	x	2 3/4
HX655	114kg	x	.5kg	13 1/2	x	11	x	2 3/4



SCALES

PORTION CONTROL SCALE

KILOTECH

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- Large LCD display - 5/8" high
- Removable stainless steel platform
- Tare weighing function
- 800 hours of battery life
- 2 mode function kg and lbs.
- AC adaptor (included) or 4 AA batteries (not included)

Model No.	Mfg. No.	Capacity g	Capacity oz.
HX081	KD-200-110	1000 x 1	35 x 0.05
HX082	KD-200-210	2000 x 2	70 x 0.1



LEGAL FOR TRADE

CHAMP™ SQ MULTI-FUNCTIONAL INDUSTRIAL BENCH SCALES

- Capacities from 10 kg/25 lbs. to 250 kg/500 lbs.
- Stainless steel platter with painted steel frame
- RS232 interface standard with easy-to-read GMP data output: time, date, operator number, scale ID number, project number and name
- Weighing, parts counting, dynamic/animal weighing, percent weighing and checkweighing modes
- 2-line LCD display, Gross/Net/Tare function, auto-off timer, low battery warning, adjustable averaging and stability levels, retain zero data, auto-zero tracking, leveling feet and leveling bubble
- 2-year warranty on parts and labour

Model No.	Mfg. No.	Capacity lbs/kg	Graduation lbs/kg	W" x D" x H"
HM318	CQ10R33	25/10	.001/.0005	12 x 12 x 3.4
HM319	CQ25R33	50/25	.002/.001	12 x 12 x 3.4
HM320	CQ50L33	100/50	.005/.002	18 x 18 x 3.6
HM321	CQ100L33	200/100	.01/.005	18 x 18 x 3.6
HM323	CQ250XL33	500/250	.02/.01	24 x 24 x 5.8

COMPACT ELECTRONIC SCALES

Ohaus compact scales are ideal when cost matters and dependable results are a must — perfect for use in the field, kitchen, or office. One-button operation, full capacity tare, LCD display, and operates on 3 AAA batteries (included) or with an optional AC adapter. Perfect as a postal scale for small parcels and letters.

Dimensions: 5.3" W x 7.6" D x 1.5" H.

Weight: 1 lbs.

Model No.	Mfg. No.	Capacity	x	Readability
HN218	CS200	200 g	x 0.1 g	x 0 lb:7.05 oz x 0.01 oz
HN219	CS2000	2000 g	x 1.0 g	x 4 lb:6.55 oz x 0.05 oz
HN220	CS5000	5000 g	x 2.0 g	x 11 lb:0.4 oz x 0.1 oz
HL853	90524-66	Optional AC Power Adapter		

Displays results in g or combined lb:oz.

Battery power or AC operation.

2 year warranty on parts and labour.



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PORTABLE ELECTRONIC POCKET SCALES



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Ohaus hand held scales with sleek styling and convenient size are ideal to take anywhere. Choose the HT148 model with basic grams weighing or the HT146 and HT149 models with multiple weighing units. Powered by 2 AAA batteries (included).

Dimensions: 3.25" W x 5.35" D x 0.8" H.

Weight: 0.34 lbs.

Model No.	Mfg. No.	Capacity	x	Readability	Weighing Units
HT148	HH120D	0-60	x	0.1g	g
		60-120	x	0.2g	
HT146	HH120	120	x	0.1	g, oz, dwt, oz t
HT149	HH320	320	x	0.1	g, oz, dwt, oz t

1 year warranty on parts and labour.

Protective snap on cover.

Backlit display (HT146 and HT149 models).

CORD REELS & WORK LIGHTS

CORD REELS

Spring retractable cord reels are available in 3 styles. Standard female receptacle, incandescent lamp and fluorescent lamp. Engineered for industrial use. Compact and can be installed on walls, ceilings or under a tool bench. Dimensions: 12 5/8" L x 7 1/2" W x 13 1/4" H. All units feature 115 V SJTO cord.



Model No.	Description	Max. Amps.	Cord Length'	Gauge	Wt. lbs.
HANDLAMPS					
XA173	75 W, Incandescent	13	50	16/3	24
XA174	15 W, Fluorescent	0.3	50	16/2	23
OUTLET					
XA172	Single	13	50	16/3	23

PORTABLE HALOGEN WORK LIGHT

- Quartz halogen fixture
- 500 watt bulb included
- Colour: Black and yellow
- CSA approved



Model No. XA992

Model No. XB149
Replacement bulb



WEATHERPROOF QUARTZ HALOGEN FIXTURES

- Double fixture with adjustable tripod
- 500 W bulbs included
- Extended height: 7'
- CSA approved
- Colour: Yellow

Model No. XA007

Model No. XB149
Replacement bulb



INCANDESCENT WORK LIGHT REELS

Incandescent work light is rated for a 75 W bulb. Includes switch and circuit breaker protected convenience outlet. Grounded metal guard with reflector protects the bulb.

EXTENSION REEL

Triple outlet extension reel allows three items to be plugged in at once. Circuit breaker protects against power overloads, which can cause electrical fires.



FLUORESCENT WORK LIGHT REEL

13 W compact fluorescent work light is cool running. Includes switch, hanging hook, and full-length reflector. Rugged polycarbonate shield is easily removed for tool-free lamp replacement. Light output is 900 lumens.



Model No.	Description
INCANDESCENT WORK LIGHT REELS	
XA640	20' 18/3 SVT cord, 7 A rating
XA155	30' 16/3 SJT cord, 10 A rating
XA921	50' 18/3 SVT cord, 7 A rating
EXTENSION REEL	
XA154	30' 16/3 SJT cord, 10 A rating
XB281	30' 14/3 SJT cord, 13 A rating
FLUORESCENT WORK LIGHT REEL	
XA289	40' 18/2 SJT cord
XA412	30' 16/3 SJT cord, 10 A outlet in light



FLUORESCENT WORK LIGHTS



- Cool running fluorescent bulb
- Shatter resistant polycarbonate lamp shield
- Includes: full length reflector, switch and hook
- Models XB906, XB907 and XB967 also have a magnet mount and outlet

Model No.	Description	Length"
COMPACT TWIN-TUBE		
XB906	13 W, 25' Cord, 16/3 SJT	13
XB907	13 W, 50' Cord, 16/3 SJT	13
XB967	26 W, 25' Cord, 16/3 SJT, Dual Twin-Tube	15
LINEAR FLUORESCENT		
XB968	15 W, 25' cord, 18/2 SJT	26

FLUORESCENT WORK LIGHT

- Cool running
- Protected by a rugged, shatter resistant polycarbonate tube
- Includes enclosed starter switch, rubber end caps, a full-length reflector, and hanging hook
- Moisture and dust resistant
- Light output is 900 lumens
- Colour: Yellow
- 25'. 18/2 SJTOW cord



Model No. XA146 13 W, 10" length

Model No. XA149, 15 W, 22" length

SUPER SABRELITE® LASER SPOT™ 2000 SERIES

- Watertight to 500'
- Unbreakable ABS body, high impact polycarbonate lens
- Exclusive state-of-the-art Laser Spot™ xenon lamp module produces tightly focused collimated white light beam with 400% increased net candlepower
- Includes belt spring clip, stainless steel split ring and black lanyard
- Meets military specifications.
- Requires 3 C-cell alkaline batteries, not included
- Colours: Yellow or black. Length: 7 1/2"
- Diameter: 1 7/8"



Model No. XA129 Yellow

Model No. XA130 Black

Model No. XB874 C Batteries, 6/pkg.

Model No. XA012 Replacement bulb

INCANDESCENT WORK LIGHT

- Rated for a 100 W bulb
- Protected by heavy-gauge metal guard and reflector
- Includes circuit breaker protected convenience outlet, rated for a full 15 A capacity
- Colour: Yellow.
- 14/3 SJTW cord.

Model No. XA175, 25'

Model No. XA918, 50'



HAZARDOUS LOCATION WORK LIGHTS

INCANDESCENT HAND LAMP

- Watertight 100 W explosion proof light
- CSA and UL approved for Class I Division I Group C & D hazardous locations
- 1200 lumens
- 16/3 SOW cord with non-explosion-proof plug (explosion-proof plug is also available).

Model No. XA269, 25'

Model No. XA103, 50'



WIRE MEASURERS

Conforms to weights and measures specifications in U.S.A. and Canada.

- Accommodates 1/64" to 7/8" (.4 to 24 mm) diameter - flexible material
- 1/2" (13 mm) diameter - stiff materials
- Quickly interchangeable guide tubes with I.D.'s of 1/4" (6.3 mm) and 1" (25 mm)
- Stainless and heat-treated steel used for all shafts and surfaces
- Mechanical counter adds or subtracts
- Resets to zero with one turn of the knob.



Model No.	Description	Model No.	Description
HA481	Feet and inches	HA917	Stand - 14" high
HA486	Meters and decimeters	HF242	Wire cutter - mounts at edge of measurer
HD571	Collapsible reel and stand		



PACKAGING SUPPLIES

TEMFLEX™ 1700 ELECTRICAL TAPE

- General purpose, flexible vinyl tape
- Temperature rating: 176°F/80°C
- Dimensions: 3/4" x 60' (19 mm x 18.3 m)
- Thickness: 7 mil
- Colour: Black
- UL and CSA approved

3M



Model No.	Rolls/Case
PC695	100

3939 TARTAN™ SILVER DUCT TAPE

- Ideal for everyday sealing, holding, water-proofing, tabbing and mending
- 2" x 180', 48 mm x 55 m
- Silver/grey
- 24 rolls/case

Model No. PC419

3M



8934 TARTAN™ FILAMENT TAPE

- Ideal for light to medium duty strapping
- Abrasion & moisture resistant
- Allows printing & illustrations to be seen through tape
- 100 lbs. tensile strength



3M

Model No.	Dimensions	Rolls/Case
PC595	1/2" x 180', 12 mm x 55 m	72
PC596	3/4" x 180', 18 mm x 55 m	48
PC597	1" x 180', 24 mm x 55 m	36

ADHESIVE REMOVER PEN

- A citrus based pH neutral pen
- Ideal for removing adhesives, marker and crayon from walls, lockers, desks, glass and folders
- 12 pens/case

Model No. PC692

3M



76 HI-TACK ADHESIVE

- Ideal for adhering paper, fabric, cork, foil, rubber & more
- Excellent when strength or high temperature resistance is needed
- 1" to 3" adjustable spray width
- Coverage: 100 sq.ft.
- 12/case

Model No. PA002

3M



77™ SUPER SPRAY ADHESIVE

- Ideal for permanently adhering lightweight materials to metal, wood and cardboard
- Two actuators: standard (round) and wide (fan) spray patterns
- High tack, fast drying
- Coverage: 163 sq.ft.
- 12/case

Model No. PA003

3M



90 HI-STRENGTH ADHESIVE

- Ideal for adhering to particle board, polyethylene, polypropylene, rubber and wood
- 1" to 3" adjustable spray width
- 1 to 2 minute drying time
- Coverage: 100 sq.ft.
- 12/case

Model No. PA001

3M



Call us
for all your 3M Tapes
and Adhesives

BOX SEALING TAPE

369 TARTAN™ GENERAL PURPOSE

- Offers good holding power for lightweight cartons

371 SCOTCH® INDUSTRIAL

- Known for its consistent adhesive
- Sticks instantly to any shape or surface



3M

Model No.	Dimensions	Total Thickness	Rolls /Case
369 TARTAN™ GENERAL PURPOSE			
PB883	2" x 328', 48 mm x 100 m	1.6 mil, 25 microns	36
PC881	2" x 432', 48 mm x 132 m	1.6 mil, 25 microns	36
PA586	2" x 2998', 48 mm x 914 m	1.6 mil, 25 microns	6
371 SCOTCH® INDUSTRIAL			
PB884	2" x 328', 48 mm x 100 m	2.0 mil, 30 microns	36
PA590	2" x 2998', 48 mm x 914 m	2.0 mil, 30 microns	6

203 HIGHLAND™ MASKING TAPE

- General purpose masking tape
- Ideal for holding, bundling and non-critical masking applications
- 55 m (180') per roll



3M

Model No.	Dimensions	Rolls/Case
AMA015	12 mm (1/2")	72
PC049	18 mm (3/4")	48
PC050	24 mm (1")	36
PC051	36 mm (1 1/2")	24
PC052	48 mm (2")	24
PC588	72 mm (3")	12

PACKAGING SUPPLIES

SELF DISPENSING POLY STRAP CARTON WITH BUCKLES

Hand strap large or small packages of all shapes. Carton comes complete with polypropylene strapping and steel buckles.



Model No.	Strap Width"	Strength/lbs.	Feet/ctn.	Buckles/ctn.
PA514	1/2	300	3300	200

EXTENDED CORE STRETCH WRAP



Good Wrappers® stretch wrap includes a disposable handle with a 5" extended core at both ends. This stretch wrap system eliminates the purchase, the loading and the handling of standard dispensers. Patented hand brakes in the handles allow the user to squeeze harder for total tension control allowing for 25 to 33% less film use and a tighter more secure wrap. Hand brakes dissipate heat caused by friction thus protecting users hands. Clear film.

Size: 20" x 1000' x 80 gauge.

Model No. PA571

CAST STRETCH WRAP

Palletize and secure large, bulky loads. Protects against dirt, theft or lost items. Superior cling and strength: stands up to rough handling in transit. Superior stretch helps reduce wrapping costs. 4 rolls per case. 3" ID core.



**Stretch
FLEX**

Model No.	Description	Dimensions	Gauge	Micron
PA572	Cast film	14" x 1968'	55	14.0
PA573	Cast film	14" x 1476'	65	16.5
PA574	Cast film	14" x 1476'	75	19.0
PB754	Cast film	14" x 1476'	80	20.3

TAPE DISPENSERS

- Industrial tape guns with adjustable brake
- Lets you choose the desired release tension



PA616



PB004



PB005

Model No.	Description
PA616	2" Standard duty
PB004	2" Heavy duty
PB005	3" Standard duty

SAFETY CUTTERS FOR STEEL STRAPPING

STANDARD-DUTY

- Cuts steel strapping 3/8-1 1/4" wide x .036" thick
- Safety design holds strapping in place to prevent injuries from flying ends
- Rubber pads gently release strapping when being cut

Model No. PC446

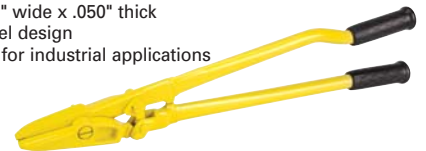


HEAVY-DUTY

- Cuts steel strapping 3/8-2" wide x .050" thick
- Powerful drop-forged steel design
- Heavy-duty performance for industrial applications

Model No. PC479

KLETON



STEEL STRAPPING SEALERS & TENSIONER

- Sealers for use with open seals
- Double notch creates strong interlocking joint
- Tensioner for 3/8" to 3/4" strap width
- Feed-wheel style

KLETON

Model No.	Description	Width"
PA550	Sealer	1/2"
PA562	Sealer	5/8"
PA551	Sealer	3/4"
PC938	Tensioner	3/8" to 3/4"



PA550



PC938

CORRUGATED CARTONS

CORRUGATED CARTONS

There's no need to put shipments on hold while you wait for custom carton orders, or stock more cartons than you need. These 125 to 200 lbs. test cartons withstand rough handling during shipment. Shipped flat to save storage space.

**Withstands
rough handling
during shipment**



Model No.	Inside Dimensions					Test lbs.
	L"	x	W"	x	D"	
PA130	6	x	4	x	3	125C
PA136	6	x	6	x	6	125C
PA137	7	x	4	x	4	125C
PA138	8	x	6	x	4	125C
PA140	8	x	8	x	8	125C
PA141	9	x	6	x	6	125C
PA112	10	x	10	x	10	125C
PA113	11	x	10	x	3	125C
PA132	12	x	12	x	7	125C
PA114	12	x	12	x	12	125C
PA139	13	x	8	x	6.5	125C
PA115	13	x	10	x	10	125C
PA133	14	x	12	x	8	125C
PB501	14	x	14	x	14	175C
PA116	15	x	11	x	11	175C
PA117	16	x	12	x	10	175C
PA134	16	x	16	x	12	175C
PA118	16	x	16	x	16	175C
PA122	18	x	12	x	6	175C
PA123	18	x	12	x	9	175C
PA120	18	x	12	x	12	175C
PA121	18	x	15	x	10	175C
PA119	18	x	18	x	18	175C
PA126	20	x	20	x	20	175C
PA111	21	x	14.5	x	15	175C
PA127	21	x	15	x	11	175C
PA124	24	x	19	x	19	175C
PA125	21	x	20	x	16	200C
PA135	24	x	14	x	24	200C
PA129	24	x	19	x	24	200C
PA131	26	x	19	x	30	200C
PB502	26	x	26	x	26	200C
PB503	30	x	30	x	30	200C
PB504	36	x	36	x	36	200C

TRIANGULAR MAILERS

- Unlimited uses
- Great for hard-to-pack long, fragile items such as blueprints, posters, and plastic and metal strips
- Rigid triangular shape means added protection
- Uses only a fraction of the space needed for tubes
- Colour: White
- Shipped flat
- 50 per bundle



Model No.	Inside Dimensions	
	Dia"	Length"
PA090	2	x 18 1/4
PA091	2	x 24 1/4
PA092	2	x 36 1/4

Other sizes available

CORRUGATED PADS

Large Pads

- Protect layers of products on skids from sharp edges and from being crushed when double stacked
- Guard against forklift damage when moving pallets



Model No.	Dimensions		Test lbs.	Bundle /Bale Qty.
	L" x W"			
PB506	18 x 18		200C	50/1500
PB508	20 x 20		200C	50/1000
PB510	22 x 22		200C	50/1000
PB512	24 x 24		200C	50/1000
PB513	24 x 36		200C	50/500
PB519	36 x 72		200C	25/250
PB526	48 x 96		200C	10/250

SURE TUCK™ MAILERS

- Reinforced corrugated mailers
- 200-lb test, B flute
- Quick-fold design assembles in seconds without tape, staples or glue
- White exterior; shipped and stored flat
- 100/bundle



Model No.	Inside Dimensions				
	L"	x	W"	x	D"
PA096	3	x	3	x	3
PA099	4	x	3	x	2
PA100	4	x	3	x	3
PA101	4	x	4	x	3
PA104	5	x	3	x	3
PA105	5	x	5	x	3
PA106	6	x	3	x	2
PA107	6	x	4	x	3
PA108	7	x	4	x	3
PA109	8	x	4	x	4
PA110	9	x	4	x	3
PA085	10	x	4	x	4

PROTECTIVE LITERATURE MAILERS

- A secure way to send out computer printouts, catalogues, binders manuscripts and books
- Shipped flat; sets up in seconds without tape or staples
- 200-lb test, white corrugated
- 50 per bundle



Model No.	Inside Dimensions				
	L"	x	W"	x	D"
PA087	11 1/8	x	8 3/4	x	4
PA097	11 3/4	x	10 3/4	x	2 1/4
PA088	12 1/8	x	9 1/4	x	4
PA144	15 1/8	x	11 1/8	x	2
PA143	15 1/8	x	11 1/8	x	4

PACKING LIST ENVELOPES

These polyethylene envelopes are 100% waterproof and self-adhesive on any surface. Won't peel off in transit. Top loading style. Once packing list is inserted in envelope, no dirt or moisture can penetrate. Inside dimensions: 4" x 5", 1000 per case. Wt. 7 lbs.



Model No.	Mfg. No.	Qty/Case
AMB459	TC-1	1000

3M

INDUSTRIAL MARKERS & PAINTSTICKS

FOR COLD SURFACES

B PAINTSTIKS



The Original ALL Purpose Cold Surface Markers -50° to 150° F

Real paint in stick form. Ideal for long-lasting, weather, fade and abrasion resistant identification. Leaves bright, highly visible marks on all materials, including asphalt, aluminum, glass, plastic, marble, lumber and steel. Writes on rough, smooth, oily, wet, dry, icy and rusty surfaces. 12 dozen/case.

Model No.	Colour	Model No.	Colour
PA298	White	PA352	Brown
PA320	Black	PA353	Grey
PA309	Yellow	PA301	Aluminum
PA348	Blue	PA355	Gold
PA349	Green		
PA300	Orange		
PA351	Purple		

B-L BLUE PAINTSTIKS

0° to 150° F

Makes permanent marks that bleed through painted surfaces. Available in blue only. 12 dozen/case.

Model No. PA356

FAST DRY PAINTSTIKS



-50° to 150° F

Lets you mark on oily, wet or dry surfaces - in all kinds of weather - and handle the part immediately. Standard size 11/16". 6 dozen/case.

Model No.	Colour	Model No.	Colour
PA329	White	PA331	Red
PA330	Yellow	PA332	Black

F PAINTSTIK FLUORESCENT MARKERS

-50° to 150° F

Super visibility markers have same properties and application as B markers.

6 dozen/case.

Model No.	Colour	Model No.	Colour
PA333	Yellow	PA336	Blue
PA334	Red	PA337	Green
PA335	Orange	PA338	Pink

BALL PAINT MARKERS

-50° to 150° F

Produce long lasting, weather and water resistant fine line marks with real paint that dries in minutes. Writes like a pencil on metal, wood, plastics, rubber - any surface or material. Packaged in unbreakable 2-oz. plastic bottles with cap to prevent drying or leaking. 4 dozen/case.



Model No.	Colour	Model No.	Colour
PA339	White	PA345	Green
PA340	Yellow	PA343	Orange
PA341	Red	PA342	Black
PA344	Blue		

FOR HOT SURFACES

HT-34 PAINTSTIKS



400° to 1800° F

Highly visible marks for extremely hot surfaces. Ideal for coils, slabs, billets or other metals under higher temperature marking conditions. Marks will not run, char, discolour, peel or crack. 12 dozen/case. White only.

J PAINTSTIKS

Dual Purpose Marker 120° to 600° F

Marks either hot or cold. Recommended where temperatures vary rapidly. No running or charring. 12 dozen/case.

HT-KING SIZE PAINTSTIKS



250° to 1600° F

Same applications as HT series. Produces large, broad marks for greater visibility. White only. 12 dozen/case.

K PAINTSTIKS

1400° to 2200° F

Makes permanent marks on extremely hot surfaces. Available in white only. 12 dozen/case.

Series	Model No.	Colour
HT-34	PA346	White
J	PA323	White
HT-King	PA316	White
K	PA430	White

VALVE ACTION® PAINT MARKERS

A fast drying, lead free paint marker ideal for all surfaces. Weather and fade resistant. Replaceable fibre tip ensures full use of the marker. Marking range -50° to 150° F.

4 dozen/case.



Model No.	Colour	Model No.	Colour
PA418	White	PA419	Yellow
PA431	Black	PA423	Aluminum
PA420	Red	PA421	Blue
PA422	Green	PA424	Replacement Tips (12/pkg)

PRO-MAX® MARKERS

- Ideal for identification, fill-in marking, signage, safety marking on any surface
- Super-sized 1/2" nib for highly visible marks
- High-strength, lightweight barrel for industrial use
- Xylene-free for less odor
- Self-storing cap



Model No.	Colour
PC683	White
PC684	Yellow
PC685	Red
PC686	Black
PC715	Orange
PC716	Blue

LUMBER CRAYONS

HEX AND MODIFIED HEX SHAPE

50° to 150° F



Weather and fade resistant lead-free marking. Use on cardboard, ceramics, concrete, lumber (rough or smooth), metal, plastics, rubber, shipping room, storage containers.

Available as #200 (True hex) and #500 (Modified hex), as well as in some fluorescent colours!

Colour	#200 Model No.	#500 Model No.
White	PA367	PA357
Black	PA371	PA360
Yellow	PA368	PA358
Red	PA369	PA359
Brown	PA376	-
Blue	PA372	PA362
Green	PA373	PA363
Orange	PA370	PA361
Purple	PA375	PA365
Pink	PA374	PA364

PAINTSTIK HOLDER



Model No.	Construction / For Use With
PA387	Holds # 200 L. Crayons

SANFORD MARKERS

SHARPIE MARKERS



Fine Point Marker. Extra tough tip that won't spread or mush. High visibility ink.

6 dozen/case.

Model No.	Colour	Model No.	Colour
PA393	Black	PA392	Red
PA395	Blue	PA391	Yellow
PA396	Green	PA394	Orange
PA397	Purple	PA398	Brown

PRO-LINE® FINE LINE



- High strength, lightweight barrel for industrial use
- Ideal for metal, suitable for wood, glad, plastic, rubber
- Xylene-free for less odour
- Self-storing cap with integrated pocket clip
- Ergonomic design for comfortable extended use

Model No.	Colour
PC461	White
PC462	Yellow
PC463	Black
PC682	Red
PC717	Blue
PC718	Green
PC719	Orange

KNIVES & CUTTERS

HEAVY-DUTY UTILITY KNIVES

OLFA®



OLFA®'s heavy-duty knives are used in the warehouse, factory and office for cutting through cardboard, carpet, plywood and other thick materials such as styrofoam, rubber and leather. Features snap-off blades; just snap-off the dulled portion of the pre-scored mark and advance the blade one position to expose a new cutting edge.

Model No.	Description
PA227	Heavy-duty knife
PA246	Economical cutter with positive locking mechanism
PA228	Heavy-duty knife with an ergonomically designed handle that features a rubber grip insert
PB861	Auto-lock heavy-duty <i>Hand Saver™</i> utility knife Cuts through leather, rubber sheets, cardboard, rope, paper, carpet, fiberglass, acetates
PC563	Carton cutter knife double protection system keeps the blade shielded whether or not in use
PB949	Cushion grip cutter with auto-lock blade slide
PA190	Quality at an economical price. Features snap-off blades
PA224	Extra heavy-duty cutter with rubber grip insert
PB834	Carton cutter knife with self-retracting blade for enhanced user safety

REPLACEMENT BLADES

Model No.	Use With	Blades/Pkg.
PA238	All knives except PA190 and PA224	10
PA239	All knives except PA190 and PA224	50
PA199	PA190 and PB949	10
PA731	PA190 and PB949	50
PA247	Saw blade, all but PA190 and PA224	1
PB835	PB834 only	10
V0359	PA224 only	5
V0360	PA224 only	20
PC544	PC563 only	50

AUTO-LOADING UTILITY KNIFE



- Non-slip rubber grip
- Heavy-duty die cast zinc body
- Pre-loaded with 8 standard utility blades

Model No. **PC434**

REPLACEMENT BLADES

Model No. **PC544** (5/Pack)

FULLER

INDUSTRIAL UTILITY KNIVES



These knives are used for cutting through materials like cardboard, paper, leather, wood, rubber and plastic. High quality steel blades have cutting edges that last longer than on most other knives. Blades are individually hardened, tempered and honed to perfection. Solid wood handles except where noted.

Richard

Model No.	Blade Description	Size"	Thickness"
PA229	Sharp point	4	.050
PA230	Square point	3 1/4	.050
PA231	Square point with guard	3 1/4	.050
PA232	Square point, long blade	3 7/8	.050
PA234	Heavy-duty square point, long blade	3 7/8	.075
PA233	Heavy-duty square point w/guard, long blade	3 7/8	.075
PA235	Tapered point	3	.050
PA236	Bevel point	2 1/4	.050
PA237	Heavy-duty bevel point	2 1/4	.075
PA244	Rubber knife	4	.050
PA245	Rubber knife	6	.050
PA243	Roofing knife w/guard	3	
PA242	Roofing knife w/wood handle	3	
PA206	Linoleum knife, long point	2 1/2	.075
PA207	Linoleum knife, junior	2 3/8	.050
PA208	Linoleum knife, short point	2 1/2	.075
PA211	Linoleum knife, short point	2 1/2	.050
PA248	Utility knife, fixed blade w/5 spare blades		
PA254	Utility knife, retractable blade w/3 spare blades		
PA196	Carpet knife, plastic handle, retractable blade		

REPLACEMENT BLADES

Model No.	Use With	Blades/Pkg.
PA249	PA248, PA254	5
PA733	PA248, PA254	100
PA252	PA248, PA254 (Hooked blades)	5
PA253	PA248, PA254 (Hooked blades)	100
PA193	PA196 (.015")	100
PA194	PA196 (.017")	100
PA192	Leather sheath for PA229 to PA237 knives	1