

MARKING AND RECORDING

Kits

Cat. No.	Description
D - 91100	4 Aluminum crayon holders
H - 10000	10 Plastic signs with numbers 0 to 9, black/white
	5 Plastic signs with arrows
H - 11000	10 Tripods, foldable, chromed
H - 12000	10 Nylon extension bars (fits the tripod, can also be coupled to one another)
H - 20000	1 Set self-adhesive labels with numbers 0 to 9
H - 21000	1 Set self-adhesive labels with arrow
H - 25000	5 Sets folding marking bars, alternating black and white segments (25 cm long), total length 10 m
H - 31100	1 Marking crayons, yellow, length 10 cm, box of 12
H - 31200	1 Marking crayons, green, length 10 cm, box of 12
H - 31300	1 Marking crayons, red, length 10 cm, box of 12
H - 31400	1 Marking crayons, blue, length 10 cm, box of 12
H - 36000	1 Felt pen, black
H - 40000	1 Plastic box for storage of various items

This kit is composed to facilitate the photographic recording and documentation of serious traffic accidents, crime scenes and the like. The black and white checkered marking bars can be used for the indication of walk or drive directions, for clarification of skid marks, marking of objects, and providing a scale in photography.

Using the bars with the arrow and number signs in combination with the tripods and extension bars for marking objects and locations, gives a clear overview of a situation in photographs of crime scenes, etc. The kit also contains adhesive labels with numbers and arrows.

MARKING

KIT

CAT. NO. H - 1000

Model MI-701

In Samsonite case

Dimensions: 48 x 36 x 13 cm

Weight: 8.5 kg



marking and recording

Cat. No.	Description
D - 91100	2 Aluminum crayon holders
H - 36000	1 Felt pen, black
H - 36100	1 Felt pen, red
J - 8000	1 Microcassette recorder
J - 8100	1 Spare microcassette
J - 9000	1 Drawing board, A4 size (21 x 29.7 cm)
J - 9500	1 Ruler, 30 cm
J - 11100	1 Pair of compasses
J - 12000	1 Flexible ruler
J - 14000	1 Pad of graph paper (A4, millimeter grid), 50 sheets
J - 15000	4 Pencils of different colors
J - 15500	1 Pencil, HB (number 2)
J - 16000	1 Pencil sharpener
J - 17000	1 Eraser
J - 75100	1 Tape measure, 20 m
J - 76000	1 Stopwatch
J - 77000	1 Compass
N - 32000	1 Tape measure, 2 m

SKETCH**KIT**

CAT. NO. J - 1000

*Model RK-801**In Samsonite case**Dimensions:**48 x 36 x 13 cm**Weight: 5 kg*

Kits

**COMPACT
SKETCH
KIT**

CAT. NO. J - 5000

Dimensions:

44 x 32 x 9 cm

Weight: 4.5 kg



Cat. No.	Description
D - 91100	2 Aluminum crayon holders
H - 36000	1 Felt pen, black
H - 36100	1 Felt pen, red
J - 9000	1 Drawing board, A4 size
J - 11100	1 Pair of compasses
J - 12000	1 Flexible ruler
J - 14000	1 Pad of graph paper (A4, millimeter grid), 50 sheets
J - 15000	4 Pencils of different colors
J - 15500	1 Pencil, HB (number 2)
J - 16000	1 Pencil sharpener
J - 17000	1 Eraser
J - 75100	1 Tape measure, 20 m
J - 77000	1 Compass
N - 32000	1 Tape measure, 2 meter

Kits

This kit is composed for the marking and recording of traffic accidents. The kit contains the necessary materials for making a situation sketch (drawing board, drawing materials etc.), but also marking materials to facilitate photographic documentation. Packing materials and tools are also contained in the kit. Personal protection has been provided in the form of a disposable coveralls (overalls) and a pair of work-gloves.

**TRAFFIC ACCIDENT
MARKING AND
RECORDING
KIT**

CAT. NO. O - 1000

*Model VK-1201
In Samsonite case
Dimensions:
48 x 36 x 13 cm
Weight: 9.5 kg*



Contents Traffic Accident Kit

Cat. No.	Description
A - 70000	1 Removal, a waterless hand cleaner, 100 ml
C - 20000	1 Magnet with handle
C - 24000	1 Forceps, 10 cm, pointed
C - 4100	2 Drop-bottles, 10 ml
C - 68000	25 Polyethylene bags, 60 x 40 cm
C - 74000	10 Sheets with 9 self-adhesive labels each
C - 75000	5 Plastic test-tubes with plastic stoppers, 100 x 16 mm
C - 82000	1 Polystyrene box with lid (11.5 x 7.5 x 3 cm)
C - 84000	5 Polystyrene boxes with lid (5.7 x 3.6 x 1.7 cm)
C - 86000	25 Polyethylene evidence bag with zip-closure and white write-on area, 10 x 15 cm
C - 89000	25 Polyethylene evidence bag with zip-closure and white write-on area, 6 x 8 cm
F - 106000	1 Towel, terry cloth
H - 10000	10 Plastic signs with numbers 0 to 9, one side black with white lettering, reversed on other side.
	5 Plastic signs with arrow, black-white/white-black
H - 11000	5 Tripods, foldable, chromed
H - 12000	5 Nylon extension bars (fits the tripod, can also be coupled to one another)
H - 31500	1 Leatherette case with 3 traffic-accident chalks (2 x 2 x 15 cm): yellow, red, and white
H - 36000	1 Felt pen, black
H - 40000	1 Plastic box for storage of various items
I - 35000	1 Flashlight with magnet
J - 9000	1 Drawing board, A4 size
J - 9500	1 Ruler, 30 cm
J - 9600	1 Clear plastic, triangular protractor/ruler
J - 14000	1 Pad of graph paper (A4, millimeter grid), 50 sheets
J - 15000	3 Pencils of different colors
J - 15500	1 Pencil, HB (number 2)
J - 15700	1 Mechanical pencil, 0.5 mm with refill
J - 17000	1 Eraser
J - 75400	1 Tape measure, 30 m (fiberglass-reinforced plastic blade)
J - 77500	1 Compass
K - 20000	1 Magnifier 3.5X, 75 mm diameter
N - 1500	1 Pocket knife with several tools
N - 3100	1 Combination pliers (pliers combined with wire-cutters), 160 mm
N - 10500	1 Screwdriver set, 5-piece
N - 32500	1 Folding rule, 1 m, plastic
V - 102600	1 Work-gloves
V - 210000	1 Disposable jumpsuit with hood (overalls), large

Kits

Cat. No.
H - 10100

Contents

- 1 Set of plastic signs with number 0 to 20, one side black with white lettering, other side reversed
- 10 Plastic standards, diameter 6 cm, height 2.5 cm
- 5 PVC extensions bars, pointed, length 17 cm
- 5 PVC extensions bars, pointed, length 25 cm
- 1 Leatherette case

**EVIDENCE****MARKER KIT**

CAT. NO. H - 7000

Dimensions:

27 x 11 x 10 cm

Weight: 1.80 kg

Measuring equipment

Cat. No.
J - 80000

Description

Distance-measuring wheel, with one wheel, to record distances on roads. The counter reads in centimeters and meters, to 9999 meters. The handle is collapsible, to fit the case provided.

The case has dimensions: 53 x 18 x 34 cm. Including the measuring wheel, the case weighs 4.48 kg. The measuring wheel itself weighs 2.58 kg.



Measuring equipment

Cat. No.	Description
J - 81000	Distance-measuring wheel, with two wheels, to record distances on roads. The counter reads in centimeters and meters, to 9999 meters. The handle is collapsible, to fit the case provided.
	The case has dimensions: 53 x 20 x 32. Including the measuring wheel, the case weighs 4.16 kg.
	The measuring wheel itself weighs 1.94 kg.

Marking crayons/chalks

The below-mentioned marking crayons are wax crayons, which write on rough or smooth surfaces. They are packaged 12 to a cardboard box, are 10 cm long and have a cross section of about 8.5 mm. They fit the aluminum crayon holder D-91100.

H - 31000	Marking crayon, white
H - 31100	Marking crayon, yellow
H - 31200	Marking crayon, green
H - 31300	Marking crayon, red
H - 31400	Marking crayon, blue
D - 91100	Crayon holder, aluminum

The chalks mentioned below are used to make marks on roads, when photographing traffic accidents. The chalks O-19100 to O-19300 contain oil and write on wet pavement, unlike standard chalks. Since the oiled chalks also adhere better, their marks are more difficult to remove.

O - 19100	Traffic accident chalk, yellow, 2 x 2 x 15 cm. Packaged 12 to a cardboard box.
O - 19200	Traffic accident chalk, red, 2 x 2 x 15 cm. Packaged 12 to a cardboard box.
O - 19300	Traffic accident chalk, white, 2 x 2 x 15 cm. Packaged 12 to a cardboard box.
H - 31500	Leatherette case with 3 pieces of traffic accident chalk (2 x 2 x 15 cm; yellow, red, white).
O - 25000	Traffic accident chalk, white, 3 x 5 x 22 cm, oiled
O - 25010	Traffic accident chalk, white, 3 x 5 x 22 cm, standard



The signs showing arrow or number, H-10000 - H-10600, all have white lettering on a black background on one side and black lettering with a white background on the other side. They can be used with the evidence-marking kit H-7000, the tripod H-11000, and the nylon extension bars H-12000. The four sets are sampled in the four rows below.



Materials for marking

Cat. No.

Description

H - 10000

Set of 10 plastic signs, with numbers 0 - 9, and 5 signs with an arrow. The signs measure 7.5 x 12 cm.

H - 10100

Set of 20 plastic signs, with numbers 1 - 20. The signs measure 7.5 x 12 cm.

H - 10200

Set of 100 plastic signs, with numbers 1 - 99. The signs measure 7.5 x 12 cm.

H - 10600

Set of 100 plastic signs, with numbers 1 - 99. The signs measure 12 x 15 cm.

H - 11000

Tripod, foldable, chromed. Can be used in combination with signs H-10000 - H-10600 and nylon extension bar H-12000.

H - 12000

Nylon extension bar, pointed. Fits tripod H-11000, more than one can be joined together. Can be used with signs H-10000 - H-10600.

H - 13000

Stabilizing weight for tripod H-11000, black-coated steel, cross-section 4.5 cm, weighs about 95 g

H - 20000

Set of self-adhesive white labels with black numbers 0 - 9; for each number there are 7 sheets with 6 labels each. The numbers are 34 mm high and accompanied by a 3-cm scale divided in mm. A sheet with 6 labels measures 11.5 x 9 cm.

H - 20100

Set of self-adhesive white labels with black numbers 0 - 9; for each number there are 7 sheets with 6 labels each. The numbers are 17 mm high and accompanied by a 2-cm scale divided in mm. A sheet with 6 labels measures 5.5 x 5 cm.



Materials for marking



H - 21000

Set of 10 sheets of self-adhesive white labels with a black arrow (60 mm long) accompanied by a 3-cm scale divided in mm. A sheet of 11.5 x 9 cm has 10 labels with arrows.



H - 21100

Set of 10 sheets of self-adhesive white labels with a black arrow (28 mm long) accompanied by a 1.5-cm scale divided in mm. A sheet of 4.5 x 6.5 cm has 10 labels with arrows.



H - 25000

H - 21200

Set of 10 sheets of self-adhesive black labels with a white arrow (60 mm long) accompanied by a 3-cm scale divided in mm. A sheet of 11.5 x 9 cm has 10 labels with arrows.



H - 26000

H - 21500

Set of 10 sheets of self-adhesive white labels with a red arrow (60 mm long) accompanied by a 3-cm scale divided in mm. A sheet of 11.5 x 9 cm has 10 labels with arrows.



H - 25000

Foldable marking bar, 10 meters long (after unfolding), with 25-cm sections, black and white checkered. The width of the marking bar is 5 cm.



H - 27000

H - 26000

Barrier tape, red/white checkered, with black printing: "NIET BETREDEN POLITIE" (Dutch, other languages possible). The tear-resistant barrier tape is 7 cm wide and 500 m long. Comes in a dispenser carton.

H - 27000

Magnetic ruler, 60 cm long and 1 cm wide, with black on white printing (cm and mm division).

H - 27500

Magnetic sheet, white (10 x 15 cm).

H - 50000

Roll of self-adhesive marking tape (10 meters), black-white printing with a scale divided in mm, 0.5 cm and 5 cm. The tape is 1 cm wide.

H - 50000

Materials for marking



Cat. No.
H - 51000

Description

Set of self-adhesive marking rings on a sheet, 10 black and 10 white sheets. Each sheet (15 x 16 cm) contains three marking rings: Ø (diameter) 9-13 cm, Ø 6-9 cm, and Ø 3-6 cm.



J - 74500

Tape measure, fiberglass-reinforced plastic blade (1.2 cm wide), length 10 m, in a plastic casing (11 cm diameter).

J - 75100

Tape measure, fiberglass-reinforced plastic blade (1.2 cm wide), length 20 m, in a plastic casing (14.5 cm diameter).

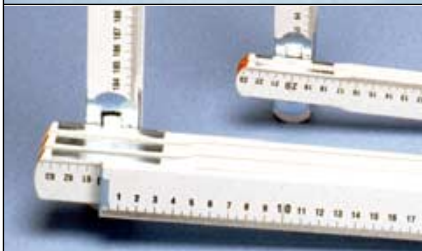
J - 75400

Tape measure, fiberglass-reinforced plastic blade (1.2 cm wide), length 30 m, in a plastic casing (17 cm diameter).



H - 25610

Surveyor's rod, foldable, wood, length 3 m, width 3 cm. Folded (10 sections), it measures 38 cm x 8 x 3 cm. The scale is white with black and red lettering. As shown on the left, one side of the rod has an "E-division", in which the second meter of the scale has a red E-division and black numbers. The first and third meter are printed in black. The other side of the rod has a continuous scale, divided in millimeters and centimeters (black lettering).



H - 25600

Surveyor's rod, foldable, wood, length 2 m, width 2.5 cm. Folded (10 sections), it measures 27 cm x 5.5 x 2.5 cm. The scale is white with black and red lettering. As shown on the left, one side of the rod has an "E-division", in which the second meter of the scale has a red E-division and black numbers. The first meter is printed in black. The other side of the rod has a continuous scale, divided in millimeters and centimeters (black lettering).



E - 49500

Large photo rule, made of fabric-reinforced plastic, 3 m long and 6 cm wide. The decimeters are indicated with numbers, and there is a division in 5 mm (with black blocks on the white background). At the low end of the scale is a metal folding hook. The reverse side of the rule is white/red checkered with a 50 cm division.

Photo identification chair

This sturdy chair for use in taking identification photographs (mug shots) can be rotated and locked in three positions, for photographing subjects in three views: front, side (left side of the face) and at a 45 degrees angle in between.

The seat, back and arm-rests are plastic-covered, for longevity and ease of cleaning. The foot-rest is made of black-painted sheet metal.

The height of the seat is adjustable (from 54 to 72 cm) by means of a gas spring.

The round base (diameter 56 cm) can be secured to the floor with screws (in pre-drilled holes).

identification photography

Cat. No.	Description
G - 15000	Identification sign stand, weight 4.2 kg.
G - 15500	Magnetic letters (capitals), 2.5 cm high, ordered per letter.
G - 15600	Magnetic numbers (2.5 cm high), set (0-9).
J - 18500	Height-measuring rod, for wall mounting. Maximum height of the person to be measured is 2.30 meters.

PHOTO IDENTIFICATION CHAIR
CAT. NO. G - 11000

Weight: 31.5 kg



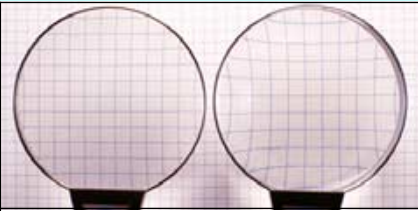
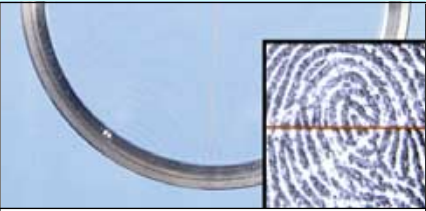
The identification sign stand is used when photographing subjects, to identify them. The identification sign stand has a matte black-painted steel sign (30 x 10 cm) on which the necessary data can be put with magnetic numbers and letters.

The horizontal support for the sign is adjustable. The maximum distance, measured from the middle of the sign to the vertical column, is 65 cm. The height of the horizontal support is adjustable from 1.01 m to 1.75 m.

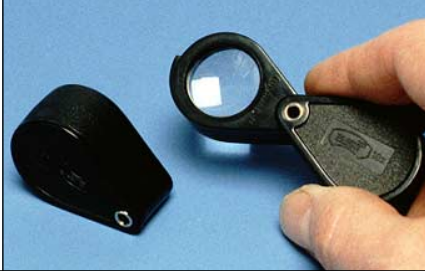
MAGNIFIERS

Magnifiers

Cat. No.	Description
K - 1000	Fingerprint magnifier, comes with a coding disc (reticle) with a single line (Henry disc K-1100). This magnifier has an aplanatic lens (diameter 40 mm) that provides a distortion-free, clear image. Through the lens, the whole area inside the coding disc (inside diameter 58 mm) is visible.
K - 1700	Like K-1000 but without a coding disc.



magnifiers



K - 1100	Coding disc with one line (Henry disc) for fingerprint magnifier K-1700.
K - 20000	Hand-held glass-lens magnifier, diameter 75 mm. It has one lens, and a magnifying power of about 3.5X (10 diopter).
K - 21000	Hand-held glass-lens magnifier, diameter 75 mm, aplanatic (two lenses). This magnifier gives a much better and sharper image than the K-20000 (see comparison photo, center). The magnifying power is 3.5X (10 diopter).
K - 40000	Pocket magnifier in case, magnifying power about 3 times. The diameter of the glass lens is 45 mm.
K - 41000	Fold-in magnifier, black plastic case and glass lenses of 20 mm diameter. The magnifying power is 10X.

Fire debris bags

These fire debris bags are made from nylon 11 (similar to Rilsan). A characteristic of nylon 11 is that apolar compounds diffuse through it only at low rates. Apolar compounds include, for example, the hydrocarbons that make up gasoline and paint thinner.

These bags are therefore particularly suited for transportation of samples of fire debris that need to be analyzed for the presence of fire accelerants.

Cat. No.	Description
C - 63900	Fire debris bag, nylon 11, thickness 0.04 mm, dimensions 20 x 39.5 cm.
C - 64000	Fire debris bag, nylon 11, thickness 0.04 mm, dimensions 25 x 50 cm.
C - 64100	Fire debris bag, nylon 11, thickness 0.04 mm, dimensions 35 x 60 cm.
C - 64200	Fire debris bag, nylon 11, thickness 0.04 mm, dimensions 45 x 75 cm.
C - 64001	Binders for fire debris bags, package of 10.



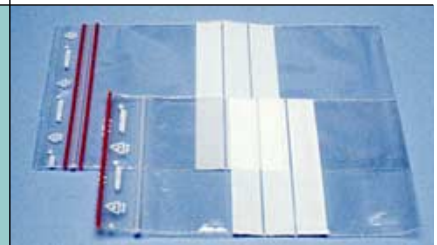
packing material

Plastic bags

C - 66000	Plastic bag (PE), 160 x 95 cm, package of 5.
C - 67000	Plastic bag (PE), 100 x 60 cm, package of 10.
C - 68000	Plastic bag (PE), 60 x 40 cm, package of 50.
C - 69000	Plastic bag (PE), 48 x 18.6 cm, package of 100.
C - 70000	Plastic bag (PE), 45 x 14.4 cm, package of 100.
C - 71000	Plastic bag (PE), 15 x 31 cm, package of 100.

The following polyethylene (PE) evidence bags have a zip-closure and (with the exception of C-88500) a number of white write-on areas.

C - 89000	Zip-closure PE bag, 6 x 8 cm, package of 100.
C - 86000	Zip-closure PE bag, 10 x 15 cm, package of 100.
C - 87500	Zip-closure PE bag, 15 x 20 cm, package of 100.
C - 88000	Zip-closure PE bag, 16 x 23 cm, package of 100.
C - 87000	Zip-closure PE bag, 22 x 28 cm, package of 100.
C - 88500	Zip-closure PE bag, 30 x 40 cm, package of 100.





Plastic boxes

The following lidded plastic boxes are all made from a crystal clear plastic (polystyrene).

Cat. No.

C - 82000
C - 83000
C - 84000
C - 85000

Description

Plastic box, outer dimensions 11.5 x 7.5 x 3 cm.
Plastic box, outer dimensions 9.5 x 6.8 x 3.5 cm.
Plastic box, outer dimensions 5.7 x 3.6 x 1.7 cm.
Plastic box, outer dimensions 16 x 4.4 x 3.3 cm.



Paper bags

Clothing containing biological evidence, especially when damp, should never be packaged in plastic bags, because moisture accelerates biological degradation of the evidential material. Therefore, in those cases paper bags are always used, since they allow water to evaporate out of the bag.

C - 91000

Paper bag (brown), folded flat: 27.5 x 44.5 cm. When opened, it has a flat bottom of 11.5 x 16 cm and a height of 44.5 cm.

C - 91500

Paper bag (brown), folded flat: 36 x 52 cm. When opened, it has a flat bottom of 15.5 x 21 cm and a height of 52 cm.

C - 92500

Paper bag (brown, double layered), outside dimensions 43x75 cm.

Miscellaneous

C - 75000

Test-tube (plastic, 80 x 16 mm) with plastic stopper, 50.

C - 76000

Plastic bottle with stopper, cone-shaped bottom (9.5 cm, 22 mm at widest point).

C - 78000

Disposable pipet (3 ml, with 0.5 ml graduation), plastic. Package of 25.

Gloves

The disposable latex gloves below are all non-sterile and packaged, 100 (50 pair) to a carton dispenser box. The powdered gloves are easier to put on the hands than those without powder, but the powder-free gloves have the advantage of not contaminating evidence with powder. Also, some persons become allergic to the powder (allergy to latex itself is a possibility too, however).

Cat. No.	Description
C - 58900	Latex gloves, extra small, powdered.
C - 59000	Latex gloves, small, powdered.
C - 59010	Latex gloves, small, powder-free.
C - 59200	Latex gloves, medium, powdered.
C - 59210	Latex gloves, medium, powder-free.
C - 59300	Latex gloves, large, powdered.
C - 59310	Latex gloves, large, powder-free.
C - 59100	Latex gloves, extra large, powdered.
C - 59110	Latex gloves, extra large, powder-free.



personal protection

The disposable vinyl gloves below are non-sterile and packaged 100 (50 pair) to a carton dispenser box. Vinyl gloves fit more loosely than the latex gloves. They are lightly powdered and protect a little better against chemicals than latex gloves.

C - 59500	Vinyl gloves, small.
C - 59700	Vinyl gloves, medium.
C - 59800	Vinyl gloves, large.
C - 59600	Vinyl gloves, extra large.

The latex gloves C-60000 - C-60300 are sterilized surgical gloves (powdered) and packaged by the pair, in a sealed envelope.

C - 60000	Latex gloves, sterile, size 6.5.
C - 60100	Latex gloves, sterile, size 7.
C - 60200	Latex gloves, sterile, size 7.5.
C - 60300	Latex gloves, sterile, size 9.
C - 61000	Latex (household) gloves, large, per pair.
C - 62000	Polyethylene disposable gloves, 100 (50 pair).
V - 102000	Chemical-resistant gloves (nitrile rubber), used, for example, when etching (size 9).

Respiratory protection

Cat. No.	Description
F - 84000	Mask to protect against nuisance odor and non-toxic dust, with release valve. A layer of active carbon in the filter serves to reduce odor.
V - 204000	Dust mask (P2 to protect against non-toxic and low-to-average toxicity dust particles) with release valve.
V - 205000	Dust mask (P3 to protect against toxic dust particles) with release valve.



Miscellaneous

F - 56000	Disposable apron (white polyethylene), package of 10.
F - 57000	Disposable shoe covers, blue plastic (polyethylene), package of 10.
F - 58000	Head caps (polypropylene), 200 in a dispenser box.



Miscellaneous

Cat. No.	Description
V - 131000	Safety container for hypodermic syringe
F - 66500	Container for hypodermic needles

The disposable coveralls below are made of Tyvek (a non-woven material made from high-density polyethylene fibers; Tyvek is a trade name of DuPont). The coveralls have a hood. The wrist and pants cuffs contain elastic for a close fit.

V - 210000	Disposable coverall, Tyvek, L (large)
V - 211000	Disposable coverall, Tyvek, EL (extra large)
V - 212000	Disposable coverall, Tyvek, EEL (extra extra large)



V-131000



Forceps

Cat. No.	Description
C - 22000	Disposable forceps, plastic, 10 cm long, package of 10.
C - 22100	Disposable forceps, plastic, 13 cm long, individually sealed, sterile, package of 25.

The first six forceps below are made of stainless steel (SS). Apart from the different lengths, they also differ in the design of the point: sharp or rounded.

C - 24000	Forceps, SS, with sharp point, 10 cm long.
C - 23000	Forceps, SS, with rounded point, 12 cm long.
C - 24100	Forceps, SS, with sharp point, 13 cm long.
C - 23300	Forceps, SS, with rounded point, 14 cm long.
C - 24500	Forceps, SS, with rounded point, 20 cm long.
C - 25000	Forceps, SS, with rounded point, 26 cm long.
V - 105000	Clamping forceps, plastic, 11 cm long, with scissor-type handles (not acid-resistant)
V - 107000	Clamping forceps, polypropylene, 13 cm long, with scissor-type handles. Acid-resistant and suitable for etching but can also be used to suspend articles, like bags, in a cyanoacrylate fuming chamber.

tools and instruments



Scalpels

C - 29000	Scalpel handle, stainless steel (including scalpel, 15.5 cm long).
C - 30100	Scalpel blades (no. 23) for scalpel handle C-29000, carton box of 100. The sterile blades are individually packaged in sealed pouches.

Miscellaneous

Cat. No.

B - 91000

B - 91200

B - 91300

D -100000

Description

Scissors, stainless steel, 15.5 cm long

Scissors, stainless steel, 12.5 cm long

Scissors, stainless steel, 17.5 cm long

CONFIRM™ Security Laminate Verifier, a tool that uses coaxial lighting for the inspection of 3M-retroreflecting security laminates. These laminates are, for example, used on the Dutch driver's license (under coaxial lighting, ovals containing the letters NL are visible). Operates on two AA (penlight) batteries (not included).



Polilight

**POLILIGHT
PL500**

CAT. NO. I - 7000

*Dimensions (lxwxh):
33 x 15 x 37 cm
Weight: 9.9 kg*



special equipment

The Polilight 500 is a high-intensity light source based on a 500-watt xenon arc lamp. This type of lamp delivers UV, visible, and infrared light. A special characteristic of the light output in the visible region is that the intensity of light is the same in the whole spectrum, just like sun light. This is in contrast with halogen lamps that deliver progressively more light, going from blue (low wavelength) to red (high wavelength).

Apart from white light, the Polilight 500 has 11 selectable wavebands (from UV to red light). With filter tuning, any narrow band of light (with width of about 40 nm) in the visible spectrum can be selected.

The waveband is selected either by using the buttons on the front panel, or stepwise with the remote control (2 m-long cable). The filter selection and fine tuning are operated internally by stepper motors. The remote control is attached to the unit through a RS232 port.

This port can also be used for operating the PL500 from a computer (using optionally available software). Also available is a security code option that uses the filter selection buttons. This option will prevent unauthorized persons from switching on the instrument.

With the remote control or the buttons on the front panel, the light power can also be tuned (8 settings, from about 15 to 100% in equal increments).

Standard components included with PL500

- 1 PL500 with power cable and instruction manual
- 1 Carrying case
- 1 Light-guide holder
- 1 Two-meter-long liquid light-guide, with focussing optics
- 1 Hand-held remote control on a 2 m-long cable
- 4 Goggles: clear (UV), yellow, orange, and red
- 1 Camera filter-holder for long-pass filters with adapter rings for Nikon and Olympus (49-58 and 52-58 mm)
- 4 Camera filters (long-pass): light yellow (GG475), yellow (OG515), orange (KV550), and red (OG590)
- 1 Set of fuses (8A) and a 3 mm hexagonal (allen) wrench

Optional components

- Security code option to prevent unauthorized users from turning on the light source (1,331 possible combinations, to be set or changed with the supplied cable and software). The software must be installed on a Windows 95/98 computer (not included).
- Remote computer control option (consisting of a cable plus software; computer not included).
- Episcopic light accessory (provides coaxial illumination)
- Camera filters (band-pass): 565, 590 and 610 nm
- Camera filter-holder for band-pass filters; housing is longer than for the long-pass filters mentioned above, to enable turning of the filters (fine-tuning of the band-pass).
- Infrared kit consisting of an IR light-guide and 4 barrier filters (long-pass: 610, 715, 780 and 830 nm)

Polilight accessories


Cat. No.

D - 21000

I - 505500



I - 505600

I - 505700

I - 506000



I - 701000

I - 509500

The plastic goggles described below are supplied in a protective case. They can be worn comfortably over glasses.

Description

Clear goggles, for protection against UV.

Yellow goggles (used, for example, when examining the fluorescence of Basic Yellow 40 under blue light).

Orange goggles (used, for example, when searching for semen stains with 450 nm lighting, or observing the fluorescence of Rhodamine 6G-stained cyanoacrylate using 505 nm lighting).

Red goggles (used, for example, in examining 1,2-IND or DFO treated fingerprints using 530 nm lighting).

300-watt xenon arc lamp, spare lamp for Polilight units PL10 and PL6.

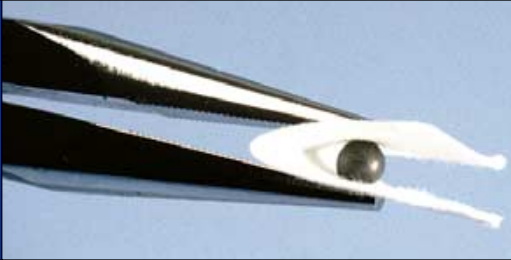
Lamp assembly with 500-watt xenon arc lamp, for Polilight PL500

Episcopic Light Accessory, an accessory that is used with the Polilight to search for and photograph untreated fingerprints using coaxial lighting; for use on shiny surfaces.



Materials for etching

Cat. No.	Description
M - 31000	Etching liquid for steel (Fry's formulation), 100 ml
M - 32000	Cleaning solvent for metal degreasing (trichloroethylene), 100 ml in glass bottle
M - 32100	Copper chloride hydrate, 50 g
M - 32200	Etching liquid for aluminum, sodium hydroxide-based
M - 32300	Etching liquid for aluminum, nitric acid-based



Plumbtesmo

M - 40500 Plumbtesmo, test strips (40 x 25 mm) for indication of lead (package of 40).

One application is to examine shotgun cartridges for the presence of pellets made of lead. First the paper strip is folded around the pellet in question. Then the paper with pellet is taken between the jaws of a needle-nose pliers (see photograph) and pressed firmly for a short time. The residue on the test strip is then moistened with a 1% aqueous solution of tartaric acid. Lead pellets will show a pink to red coloration on the paper.



MISCELLANEOUS

Kits

miscellaneous

**COMPACT
OBLITERATED
NUMBER
RESTORATION
KIT**
CAT. NO. M - 6000

Model CO-925

Dimensions:

44 x 32 x 9 cm

Weight: 3.5 kg

Cat. No.	Description
C - 15000	1 Box with plasticine, dam clay
C - 25000	1 Forceps, SS, with rounded points, 26 cm long
C - 76000	3 Plastic bottles with stopper, 9.5 cm high, internal diameter 22 mm
C - 78000	5 Disposable pipet, plastic, 3 ml
C - 82000	4 Polystyrene boxes with lid, 11.5 x 7.5 x 3 cm
F - 101000	1 Package absorption lint (cotton)
M - 31000	1 Etching liquid for steel (Fry's formulation), 100 ml
M - 32000	1 Cleaning solvent for metal degreasing (trichloroethylene), 100 ml in glass bottle
M - 32100	1 Copper chloride hydrate, 50 g
M - 32200	1 Etching liquid for aluminum, sodium hydroxide-based
M - 32300	1 Etching liquid for aluminum, nitric acid-based
M - 33100	1 Steel wool scouring pad
M - 34000	1 Assortment of sandpaper
N - 8500	1 Set of 6 key files, in case
V - 102000	1 Pair of chemical-resistant gloves
V - 107000	1 Clamping forceps, polypropylene, chemical-resistant



This kit is designed for the restoration of serial numbers erased from engines etc., by means of chemical etching. In addition to materials for the removal of paint and degreasing the area to be examined, liquids and auxiliary materials for the etching of steel and aluminum are included.

1,2-IND (1,2-indandione), fluorescent reagent for fingerprints on paper	1.19	DFO, powder and set	1.18
5-MTN (5-methylthioninhydrin), superior ninhydrin reagent	1.19	Diluant for SILMARK	4.01
A BFO photo scale	4.03	Dipping-tray, for treating paper	1.18
Aerosols with fingerprint powder	1.15	Disposable coveralls	14.03
Amido Black	1.22	Disposable forceps	15.01
Amino acid reagents	1.17-1.19	Disposable gloves	14.01
Apron (disposable)	14.02	Distance measuring wheel	10.06-10.07
Ardrox	1.20	Dustmark Lifting Kit (DLK)	3.02
B acking cards	1.10	Dust masks	14.02
Barrier tape	10.09	Dust-free box, for blower brush	1.17
Basic Red 28	1.21	E asy Print instant inkpad	2.05
Basic Yellow 40	1.21	Easy Print instant palmprint inkroll	2.05
Benzoflavone, iodine fixative	1.27	Electrostatic lifting of shoeprints, device for the (DLK)	3.02
Blood, presumptive tests for	6.01	Elimination fingerprint set	2.09
Blower brush	1.17	Episcopic Light Accessory (Polilight accessory)	16.02
Blower brush, powders for	1.15	Etching liquids	17.02
Body bag	7.03	Ethyl cyanoacrylate	1.20
Brush for UV-powders and indicators	8.05	Evidence marker kit	10.06
Brushes, for fingerprint dusting	1.16	F inger- and palmprint taking kit	2.03
Burglary investigation kit	1.06	Finger stretchers	7.03
C amphor (for flame technique)	1.27	Fingerprint table	2.01-2.02
Case with marking chalk	10.07	Fingerprint brushes	1.16-1.17
Casting frame	3.05	Fingerprint cardholder	2.04
Casting kit, for foot- and tireprints	3.01	Fingerprint ink	2.04
Chemical-resistant gloves	14.01	Fingerprint-lifting foil	1.07-1.08, 3.03
Clamping forceps	15.01	Fingerprint-lifting tape	1.10
Coding disc for fingerprint magnifier	12.01	Fingerprint magnifier	12.01
Comb, fine-tooth	7.03	Fingerprint pads	2.04-2.07
CONFIRM™ Security Laminate Verifier	15.02	Fingerprint powders	1.12-1.15
Container for brush	1.17	Fire debris bags	13.01
Container for hypodermic needles	14.03	Fixative for traces in blood (2% aqueous 5-sulfosalicylic acid)	1.23
Coomassie Blue	1.23	Fluorescent crayons	8.06
Copper chloride hydrate, for etching of steel	17.02	Fluorescent ink	8.06
Coveralls (disposable)	14.03	Fluorescent paste	8.06
Cotton swab	6.03	Fluorescent powder for brush	1.13
Crowle's Stain	1.23	Fluorescent magnetic powders	1.15
Cyanoacrylate	1.20	Fold-in magnifier	12.01
Cyanoacrylate staining fluids	1.20-1.21	Foot- and tireprint casting kit	3.01
		Forceps	15.01

INDEX

G elatin lifters	1.07-1.08, 3.03	M acPhail's reagent (Hemident)	6.01
Gentian violet	1.24	Magnetic brush	1.16
Glass cleaner (detergent foam in aerosol can)	2.08	Magnetic numbers and letters	11.01
Glass inking slab	2.08	Magnetic photo ruler	10.09
Gloves	14.01	Magnetic powder kit	1.15
Goggles	16.02	Magnetic powders	1.14-1.15
H ard Evidence	1.20	Magnets	5.02
Hardener, for SILMARK	4.01	Magnifiers	12.01
Head caps (disposable)	14.02	Marabou brush	1.16
Heglostix	6.01	Marking bar, foldable	10.09
Height-measuring rod	11.01	Marking crayon	10.07
Hemident	6.01	Marking kit	10.01
Holder for marking crayon	10.07	Marking rings, self-adhesive	10.10
Holder, for fluorescent marking crayon	8.06	Marking tape	10.09
Hot plate, for cyanoacrylate fuming	1.22	Methylthioninhydrin (5-MTN), superior ninhydrin	1.19
Hungarian Red	1.23	Micro Illumination Chamber (MIC)	-
I dentification sign stand	11.01	Microfilters, for vacuum cleaner top	5.02
Indandione (1,2-), fluorescent reagent for fingerprints on paper	1.19	Mipo-film (for collection of trace evidence)	5.01
Indicators (thief detection powders)	8.07	Mixing dish	4.03
Ink pad, colorless for shoe outsoles	3.06	Mixing pad	4.03
Ink spatula	2.08	Mixing spatula	4.03
Ink strips	2.05-2.06	Mouth mirror	7.03
Ink cleaner	2.07	Mouth opener	7.03
Ink rollers	2.06	N arcoPouch	9.03-9.04
Instant fingerprint pads	2.04	NARCOTEST	9.02
Instant lifters	1.09	Narcotics kit	9.01
Instant palmprint inkroll	2.05	Nilodor	7.05
Instant powders	1.13	Ninhydrin in aerosol can (NINPRINT)	1.17
Iodine fixative (benzoflavone-based)	1.27	Ninhydrin, powder and solutions	1.17
Iodine fuming kit	1.26	Ninhydrin, zinc chloride solution for toning of	1.18
Iodine fuming, chemicals for	1.27	NINPRINT, ninhydrin in aerosol can	1.17
K resto hand cleaner	2.07	Nuisance odor and dust mask	14.02
L abels with arrows	10.09	Number signs	10.08
Labels with numbers	10.08	Nylon 11 bags	13.01
Latent gold, silver, black (aerosol cans)	1.15	O DV Narcotic tests	9.01-9.04
Latent fingerprint kits	1.01-1.06	P acking material	13.01-13.02
Latex gloves	14.01	Paper bags	13.02
Latex set (for post-mortem casting of fingerprints)	7.05	Perfect Print fingerprint pads	2.06-2.07
Latex thermometer covers	7.04	Peroxtesmo	6.01
LCV (Leuco crystal violet)	1.24	Phosphatesmo KM	6.02
Lifting tape	1.10	Photo identification chair	11.01
Luminol, set	6.02	Photo ruler	3.05-3.06, 4.03, 10.09, 10.10
		Photo ruler, adhesive tape on roll	10.09
		Photoflo, Kodak (for Sticky-side powder)	1.25
		Pipet, disposable	13.02

Plaster-mixing bowl	3.05	T ape measures (10, 20, 30 m)	10.10
Plaster of Paris, for casting of shoe impressions	3.04	Test strips for indication of blood	6.01
Plastic bags	13.01	Test strips for indication of lead, Plumbtesmo	17.01
Plastic boxes	13.02	Test strips for indication of semen, Phosphatesmo	6.02
Plumbtesmo, test strips for indication of lead	17.01	Test-tube (plastic, with stopper)	13.02
Pocket magnifier	12.01	Thermometers	7.03-7.04
Pocket Print	2.07	Thief detection powders and pastes	8.05-8.07
Podotrack	3.06	Tissue builder	7.05
Polilight	16.01	Towelettes, for cleaning ink from fingers	2.08
Post-mortem kits	7.01-7.02	Traffic accident chalk	10.07
Post-mortem spoon	7.03	Traffic accident marking and recording kit	10.04
Powder spatula	9.04	Tripod, foldable, for number signs	10.08
Preparation of a replica	4.02		
PrePrint	2.08	U NIFIX (aerosol can)	3.04
Printake	2.05-2.06	Universal sprayer	3.04
		UV fluorescent felt pen	8.06
R elease agent, aerosol can (SLM)	3.04, 4.03	UV goggle	8.05
Retabs	2.08	UV ink	8.06
Rhodamine 6G staining solution	1.21	UV kits	8.01-8.03
Rilsan bags	13.01	UV lamps	8.04-8.05
		UV paste	8.06
S afety container for hypodermic syringe	14.03	UV powders	8.05
Safranin O	1.21		
Scale, magnetic	10.09	V acuum cleaner top, for microtraces	5.02
Scalpel, holder and blades	6.03, 15.01	Vinyl disposable gloves	14.01
Scissors	15.02		
Shoe covers	3.06, 14.02	W ax sheets, for striation marks	4.03
Shoeprint kit	3.01	Writing pen, for fluorescent ink	8.06
Shoeprint lifters	1.07-1.08, 3.03		
Sieve, for sieving plaster of Paris	3.05	X enon arc lamp (for Polilight)	16.04
SILMARK white and black, for lifting dusted prints	1.11		
SILMARK, diluant	4.01	Z ephyr brush	1.16
SILMARK, gray for toolmark casting	4.01	Zinc chloride solution, for toning ninhydrin-developed prints	1.18
Silver nitrate powder and paste	8.07	Zip-closure bags	13.01
Silver plate	1.27		
Sketch kit	10.02-10.03		
SLM, silicone release agent	3.04, 4.03		
Small Particle Reagent (SPR)	1.27		
Snowprint Wax (aerosol can)	3.04		
Soot powder, mixtures of	1.12		
Special powders	1.12		
Spring balance	9.04		
SPURFIX	1.10		
Stabilizing weight for number sign tripod	10.08		
Staining solutions, for cyanoacrylate	1.20-1.21		
Staining solutions, for traces in blood	1.22-1.24		
Stainless steel forceps	15.01		
Sticky-side powder	1.25		
Stubs, for sampling of gunshot residue	5.03		
Sudan Black	1.21, 1.22		
Sulfosalicylic acid, fixative	1.23		
Surveyor's rod	10.10		