



For Professionals  
**SINCE 1857™**

# PRODUCT CATALOGUE



[www.kleintools.com](http://www.kleintools.com)

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# COMPANY HISTORY

**K**lein Tools was founded in 1857 by an industrious German immigrant, Mathias Klein, who began in the hand tool business when broken side-cutting pliers were brought to his forge shop by a telegraph lineman. Mathias repaired the pliers by forging and finishing a new half for the tool and riveting it to the old half. Soon the lineman returned, because the other original half of the pliers had broken and needed replacing. Mathias forged and finished the second half of the pliers and riveted it to the other replacement half – creating the first complete Klein pliers.

To this day, Klein Tools is proudly owned and managed by the Klein family. Over 160 years of hard work and dedication has earned Klein the reputation of supplying only the finest quality products for users of professional hand tools, Test and Measurement, Voice-Data-Video and occupational protective equipment.

**Klein Tools continues to expand domestically and internationally to provide quality products to professionals all over the world.**





# TEST AND MEASUREMENT

Crafted for optimum durability, reliability and functionality, our line of test and measurement equipment is engineered with the user in mind. Designed for and by electricians, our electrical testers provide the latest in innovative, time-saving features that professionals require.

- Non-Contact Voltage Testers
- Multimeters
- Clamp Meters
- Accessories
- Thermal Imager
- Thermometers
- Borescopes

For Professionals  
SINCE 1857™

## Non-Contact Voltage Testers

- CAT IV safety rating
- Auto Power-Off
- Convenient pocket clip
- Does not detect DC voltage
- **NCVT-1P** provides non-contact detection of standard voltage 50 to 1000V AC in cables, cords, circuit breakers, lighting fixtures, switches, outlets and wires.
- **NCVT-2P** is a dual-mode tester that detects 12 to 1000V AC and indicates the presence of a voltage in cables, cords, circuit breakers, light fixtures, switches, outlets and wires, as well as AC voltage in doorbells, thermostats, low-voltage lighting and irrigation systems. Includes both visual and audible signals.
- **NCVT-3P** is a non-contact voltage tester with an integrated torch.
- **NCVT-4IR** is designed for HVAC applications and hot spots in panels. It includes an infrared thermometer with selectable °C /°F from -30° to 250°C, LCD backlit display, and a convenient laser pointer to help target a 4:1 distance-to-spot ratio for temperature.
- **NCVT-6** has dual-mode non-contact detection of voltage 12 to 1000V AC or 70 to 1000V AC with visual and audible voltage indicators and a bright integrated laser pointer that can operate independently from its non-contact functionality. US Patent No. D750985.



Features	NCVT-1P	NCVT-2P	NCVT-3P	NCVT-4IR	NCVT-6
Drop Protection	2 m	2 m	2 m	2 m	2 m
Ingress Protection	IP40	IP54	IP67	IP54	IP40
Safety and Standards	CAT IV 1000V, CE	CAT IV 1000V, CE	CAT IV 1000V, CE	CAT IV 1000V, CE	CAT IV 1000V, CE
Voltage	50-1000V AC	Mode 1: 12-1000V AC Mode 2: 70-1000V AC	Mode 1: 12-1000V AC Mode 2: 70-1000V AC	12-1000V AC	12-1000V AC
Frequency Range	50-500 Hz	50-500 Hz	50-500 Hz	50-500 Hz	50-500 Hz
Audible and Visual Alarms	●	●	●	●	●
Auto Power-Off	●	●	●	●	●
Temperature	—	—	—	-30° to 250°C	—
Laser	—	—	—	Class 2	Class 3a
Torch	—	—	●	—	—
Distance Measuring	—	—	—	—	●
Backlight	—	—	—	●	—
LCD Display	—	—	—	●	—
Batteries	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA
Overall Length	14 cm	15 cm	15 cm	16 cm	16.4 cm
Overall Height	2.5 cm	2.8 cm	2.8 cm	3.2 cm	3.4 cm
Overall Width	1.8 cm	2.2 cm	2.4 cm	3 cm	3.1 cm



**TOUGH METER**

	MM700	MM400	MM300
<b>Includes</b>	<ul style="list-style-type: none"> <li>• Test Leads with CATIII/CAT IV safety caps</li> <li>• Thermocouple with adapter</li> <li>• Alligator Clips</li> <li>• 2 x AAA Batteries</li> <li>• Carrying Case</li> </ul>	<ul style="list-style-type: none"> <li>• Test Leads with CATIII/CAT IV safety caps</li> <li>• Thermocouple with adapter</li> <li>• 2 x AAA Batteries</li> </ul>	<ul style="list-style-type: none"> <li>• Test Leads with CATIII/CAT IV safety caps</li> <li>• 2 x AAA Batteries</li> </ul>



**FEATURES** MM700 MM400 MM300

	Drop Protection	2 m	1 m	1 m
	Ingress Protection	IP42	—	—
	Safety	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 600V
	AC Voltage (Volts)	1000 V	600 V	600 V
	DC Voltage (Volts)	1000 V	600 V	600 V
	AC Current (Amps)	10 A	10 A	10 A
	DC Current (Amps)	10 A	10 A	—
	Ohms (Resistance)	40MΩ	40MΩ	20MΩ
	DC Millivolts	●	●	●
	AC Milliamps	●	●	—
	DC Milliamps	●	●	●
	AC Microamps	●	●	—
	DC Microamps	●	●	●
	True RMS	●	—	—
	Audible Continuity	●	●	●
	Backlight	●	●	—
	Temperature	-18° to 816°C	-18° to 538°C	—
	Low Impedance	●	—	—
	Auto-Ranging	●	●	—
	Range Hold	●	●	—
	Data Hold	●	●	●
	Diode test	●	●	●
	Capacitance Test	4000 µF	200 µF	—
	Frequency/ Duty Cycle	1 Hz – 500 KHz	1 Hz – 50 KHz	—
	Max / Min	●	●	—
	Lead Warning	●	—	—
	Bar Graph	●	—	—
	Magnetic Mount	Available as an Accessory		
	Auto Power-Off	●	●	—
	Battery Test	—	—	●
	LCD Display Count	4000	4000	2000

**Insulation Resistance Tester**

- Test insulation resistance up to 4000MΩ at 125V, 250V, 500V and 1000V DC
- Test and Lock buttons for simple insulation testing
- Warning alarm and high voltage icon for detection of voltage
- Measures up to 1000V AC/DC, low resistance and continuity
- Automatic ranging True Root Mean Square (TRMS) technology for increased accuracy
- Backlit display with bar graph, Auto Power-Off, High Voltage, Max/Min and Hold icons
- Low battery indicator with easily replaceable battery and fuse
- Built-in stand and optional magnetic hanger for hands-free operation
- Test verification of conformity to EN61557-1,-2,-4



ET600

<b>Includes</b>	<ul style="list-style-type: none"> <li>• Right Angle Test Leads with CATIII/CAT IV safety caps</li> <li>• Heavy-Duty Alligator Test Leads</li> <li>• 6 x AA Batteries</li> <li>• Carrying Case</li> </ul>	   
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FEATURES	ET600	FEATURES	ET600
	Drop Protection	1 m	
	Ingress Protection	—	
	Safety	CAT IV 600V CAT III 1000V	
	Test Voltages	125V, 250V, 500V, 1000V	
	AC Voltage (Volts)	1000 V	
	DC Voltage (Volts)	1000 V	
	Insulation Resistance	4000MΩ	
	Ohms (Resistance)	4kΩ	
	Live Circuit Detection	●	
	True RMS	●	
	Over-Range Indication	●	
	Audible Continuity	●	
	Backlight	●	
	Auto-Ranging	●	
	Test Lock	●	
	Data Hold	●	
	Max / Min	●	
	Bar Graph	●	
	Auto-Zero	●	
	Magnetic Mount	Available as an Accessory	
	Auto Power-Off	●	
	LCD display count	4000	

# CLAMP METERS



## ▲WARNINGS:

To ensure the safe operation and service of the tester, please follow these instructions. Failure to observe these warnings can result in severe injury or death.

- Before every use, verify the meter operation by measuring a known voltage or current.
- Never use the meter on a circuit with voltages that exceed the category-based rating of this meter.
- Do not use the meter during electrical storms or in wet weather.
- Do not use the meter or test leads if they appear to be damaged.
- Ensure meter leads are fully seated, and keep fingers away from the metal probe contacts when making measurements.
- Do not open the meter to replace batteries while the probes are connected.
- Never assume neutral or ground wires are de-energised. Neutrals in multi-wire branch circuits may be energised when disconnected and must be retested before handling.
- Use caution when working with voltages above 60V DC or 25V AC RMS. Such voltages pose a shock hazard.
- To avoid false readings that can lead to electric shock, replace batteries when a low-battery indicator appears.
- Unless measuring voltage or current, shut off and lock out power before measuring resistance or capacitance.
- Always adhere to local and national safety codes. Use individual protective equipment to prevent shock and arc blast injuries where hazardous live conductors are exposed.



**TOUGH METER**

**TOUGH METER**

	CL900	CL800
Includes	<ul style="list-style-type: none"> <li>Carrying Case</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>2 x AAA Batteries</li> </ul>	<ul style="list-style-type: none"> <li>Carrying Case</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>Thermocouple with adapter</li> <li>2 x AAA Batteries</li> </ul>
Jaw Size	5 cm	3.5 cm



	CL390	CL220
Includes	<ul style="list-style-type: none"> <li>Carrying Case</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>Thermocouple with adapter</li> <li>3 x AAA Batteries</li> </ul>	<ul style="list-style-type: none"> <li>Carrying Case</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>Thermocouple with adapter</li> <li>3 x AAA Batteries</li> </ul>
Jaw Size	4.1 cm	4.1 cm



	CL120
Includes	<ul style="list-style-type: none"> <li>Carrying Case</li> <li>Test Leads with CATIII/CAT IV safety caps</li> <li>3 x AAA Batteries</li> </ul>
Jaw Size	4.1 cm

FEATURES	CL900	CL800	CL390	CL220	CL120
Drop Protection	2 m	2 m	2 m	2 m	2 m
Ingress Protection	IP40	IP40	-	-	-
Safety	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V	CAT III 600V	CAT III 600V
AC Voltage (Volts)	1000 V	1000 V	600 V	600 V	600 V
DC Voltage (Volts)	1000 V	1000 V	600 V	600 V	600 V
AC + DC Voltage	-	-	-	-	-
AC Current (Amps)	2000 A	600 A	400 A	400 A	400 A
DC Current (Amps)	2000 A	600 A	400 A	-	-
Ohms (Resistance)	60MΩ	60MΩ	40MΩ	20MΩ	20MΩ
AC Millivolts	-	-	●	●	●
DC Millivolts	●	●	●	●	●
DC Microamps	-	-	●	-	-
True RMS	●	●	●	●	-
Audible Continuity	●	●	●	●	●
Backlight	●	●	Reverse Contrast Display	●	●
Temperature	-	-26° to 538°C	-40° to 1000°C	-40° to 1000°C	-
Differential Temperature	-	-	-	-	-
Digital Temperature Calibration	-	-	-	-	-
Low Impedance	●	●	-	-	-
Low-Pass Filter	-	-	-	-	-
Inrush Current	2000 A	-	-	-	-
Non-Contact Voltage Testing	●	●	●	●	●
Auto-Ranging	●	●	●	●	●
Range hold	●	●	●	●	●
Data hold	●	●	●	●	●
Diode test	●	●	●	-	-
Capacitance test	6000 μF	6000 μF	4000 μF	-	-
Frequency / Duty Cycle	1 Hz – 500 kHz	1 Hz – 500 kHz	10 Hz – 60 kHz	-	-
Max / Min	●	●	●	MAX only	MAX only
Relative Mode	-	-	●	-	-
Magnetic Mount	Available as an Accessory				
Worklight	-	●	-	-	-
Auto Power-Off	●	●	●	●	●
LCD display count	6000	6000	4000	2000	2000







# ACCESSORIES



## Carrying Case

- Constructed of black 600 denier nylon
- Heavy-duty PVC zip and zinc alloy zipper tag
- The case has exceptional resistance to abrasions, punctures and tears.
- Easily fits the following Klein Tools test and measurement meters: MM300, MM400, MM600, MM700, CL800 and ET600
- Convenient storage for other test and measurement products

## Tradesman Pro™ Hard Case

- Hard shell protects tools, meters, small parts and tech devices
- Soft interior lining
- Durable zip-up closure



69401

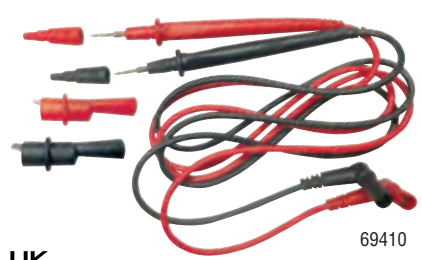


5189

Cat. No.	Number of Pockets	Overall Length	Overall Width
69401	1	23.5 cm	10.2 cm
5189	1	26 cm	14 cm

## Replacement Test Lead Set, Right Angle

- Durable nylon weave resists wear and tear
- Standard banana-type inputs compatible with most multimeters and clamp meters
- Removable alligator clips attach to wires and other conductors
- Includes one pair of universal test leads and one set of alligator clips
- Leads are 104 cm long
- Safety Rating: Category III 1000V and Category IV 600V



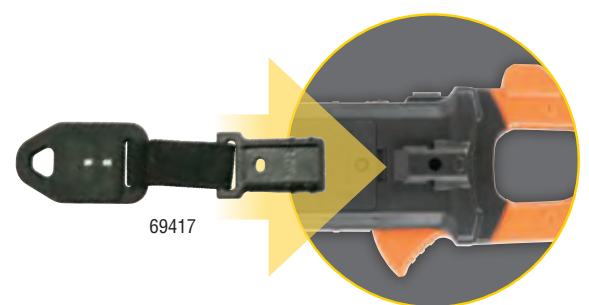
69410

Cat. No.	Description	For Use With
69410	Replacement Test Leads for meters that have standard jacks	All Clamp or Digital Meters



## Rare Earth Magnetic Hanger with Strap

- Durable nylon weave resists wear and tear
- Constructed with powerful rare earth magnets
- Has a secure Velcro®\* loop & hook
- Hanger allows the user to safely work hands-free
- Clips securely into back of rubber boot

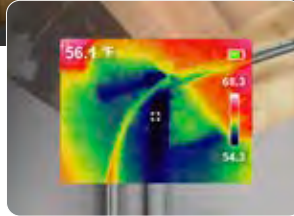
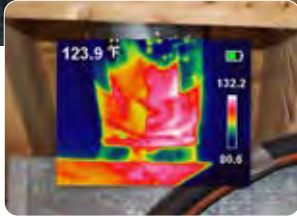
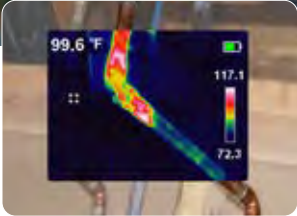


69417

Cat. No.	Description	For Use With
69417	Rare Earth Magnetic Hanger with Strap	MM300, MM400, CL450, CL600, CL700, CL800, CL900

\*Velcro® is a registered trademark of Velcro Industries B.V.

# THERMAL IMAGER



## Rechargeable Thermal Imager

- Over 10,000 pixels to troubleshoot hot and cold spots
- Adjustable emissivity from 0.10 to 0.99
- Store and share images with optional microSD® Card
- User selectable high and low temperature alarms from -20 to 400°C
- Select colour palettes to best capture the event
- Rechargeable lithium-ion battery
- Includes thermal imager, micro-USB® charging cable and carrying case



TI250

Cat. No.	Description	Display	Display Resolution	Temperature Range	Batteries
TI250	Rechargeable Thermal Imager	6.1 cm TFT LCD	10,800 Pixels	-20°C to 400°C	Lithium-Ion

\*micro-USB® is a registered trademark of SD-3C, LLC.



# THERMOMETERS

## Digital Pocket Thermometers

- Backlit display for easy viewing in low light
- Max/Min, Hold and Average functions
- Auto Power-Off after 15 minutes conserves the battery life
- FDA GRAS compliant for food usage
- Lightweight, compact tool with pocket clip provides easy storage and quick access
- Cat. No. ET10 features a magnet inside base of probe to easily attach to vents for hand-free IAQ (indoor air quality) measurements



ET10  
(Protective sheath positioned as handle)



Cat. No.	Batteries	Temperature Range	Overall Length	Overall Width
ET05	2 x LR44	-40°C to 250°C	165.1 mm	27.4 mm
ET10	2 x LR44	-40° to 300°C	165.1 mm	31.8 mm



### Dual Infrared and Probe Thermometer

- Accurately measure the surface temperature with an infrared thermometer (DS ratio 8:1)
- Measure inside air vents and duct temperatures with the temperature probe with a hanging hook
- Quickly calculates the differential temperature (T1-T2) for both IR and probe temperatures
- Backlit display with Hold, Max/Min, APO and Low Battery functions
- Includes batteries and a carrying pouch



Cat. No.	Batteries	Temperature Range	Overall Length	Overall Width
IR07	2 x AAA	-40° to 300°C	14.8 cm	4.2 cm



IR07

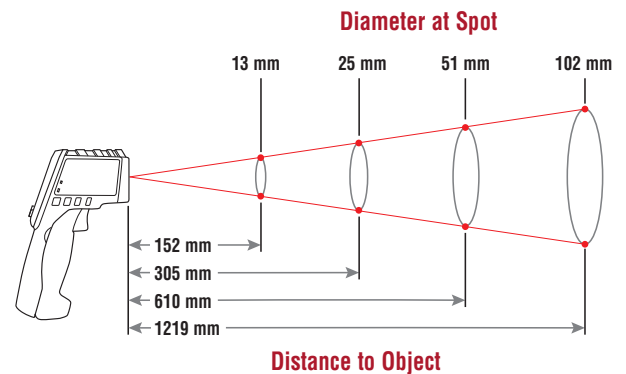
### IR5 Dual Laser Infrared Thermometer, 12:1

- Optical Resolution (distance-to-spot) is 12:1
- Features include dual-laser targeting; auto-scan; max/min/avg/diff; high/low alarm; back-lit display; auto power-off
- Drop protection to 2 m
- Uses one 9-volt battery, with a battery life expectancy at 10 hours of continuous use with the laser and backlight on
- Includes a customised pouch and batteries
- Certified to IEC EN 61326-1:2006, EN608251:1994+A2:2001+A1:2002
- Adjustable emissivity
- Soft-touch, over-mould housing
- For ambient temperatures above freezing, the accuracy is +/- 15°C or +/- 2%; Accuracy below freezing is +/- 15°C plus 0.2 degrees per degree below 0°C

Cat. No.	Batteries	Temperature Range	Overall Length	Overall Width
IR5	1 x 9V	-30° to 400°C	17.3 cm	4.7 cm



IR5



**CAUTION:** Reflective materials may be hotter than indicated. Laser radiation - do NOT stare into beam.



## Wi-Fi Borescope

- Transmits and displays video and images directly to your smartphone up to 9 m away
- Waterproof 9 m camera has 6 on-board, adjustable LED lights and outputs high-quality 640 x 480 images
- Tough, armoured 1.8 m long waterproof camera gooseneck manoeuvres around obstacles while maintaining rigidity
- Battery status indicator tracks the charge level of the lithium-ion battery
- Increase and decrease camera LED output either on the Borescope or in the App
- The App not only acts as a display, but stores and shares images and videos via text or email
- Includes convenient pocket clip, USB charging cable, hook attachment, carrying case and instructions
- The Klein Borescope App is available free at the App Store® for iPhone® users and Google Play® for Android® users



Turn your smartphone into a smart tool



\*Camera is rated IP67. Body is rated IP42.



ET20



Cat. No.	Battery Life	Ingress Protection	Drop Rating	Overall Length	Overall Width
ET20	5.5 hrs	Camera/Cable: IP67; Body: IP42	3 m	18.5 cm	5.8 cm

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## Borescope for Android® Devices

- Borescope connects to Android® on-the-go (OTG) version 4.0 or higher devices; NOT for iPhones® or iPads®
- Waterproof IP67 9 mm camera surrounded by 6 LEDs for high quality 640 x 480 pixel images
- Capture and share images and video via text or email using the Klein Tools App available for download at [www.kleintools.com/product/ET16](http://www.kleintools.com/product/ET16) (not available anywhere else)
- Armoured 3 m gooseneck cable for extended reach
- Direct USB Type-C connection with adapter for micro-USB
- No batteries; powered by the device connection



ET16



Cat. No.	Resolution	Includes	Overall Length	Overall Width
ET16	640 x 480 max pixels	Borescope with 3 m Gooseneck, USB Adapters, Carrying Case	9.4 cm	3.3 cm

Android® is a registered trademark of Google LLC. iPhone® is a registered trademark of Apple Inc.



App required – available free at [kleintools.com](http://kleintools.com)



# VOICE, DATA, VIDEO

Our comprehensive line of verification VDV tools and testers were created to prep, connect and test network, phone, CATV, home theatre, satellite and security cables for residential or commercial systems.

- Cable Crimpers
- Punch-Down Tools
- Cable Connectors
- Cable Testing
- Tone & Probe

For Professionals  
**SINCE 1857™**



## Pass-Thru™ Modular Crimper, Ratcheting

- All-in-one tool cuts, strips and crimps paired conductor data cables
- Fast, reliable modular crimp-connector installation for RJ45 Pass-Thru™ and standard RJ11/12 applications
- Full-cycle ratchet mechanism ensures complete connector termination
- Trims flush to the end face of the connector to eliminate unintended contact between conductors
- On-tool wiring guide helps minimise wiring errors
- Use with Klein Tools Pass-Thru™ Connectors
- Not for use with standard (non Pass-Thru™) connectors
- Replacement blades available (Cat. No. VDV999-076)



REPLACEMENT  
BLADE KIT  
VDV999-076



VDV226-110

Cat. No.	Cuts and Strips	Cable Size	Connector Type	Position/Pair/Conductors
VDV226-110	0.08-0.34 mm <sup>2</sup> Paired Conductor Data Cables	CAT3, CAT5e, CAT6	RJ11 Standard RJ12 Standard RJ45 Klein Tools Pass-Thru™	4-Position, 2-Pair/4-Conductor 6-Position, 3-Pair/6-Conductor 8-Position, 4-Pair/8-Conductor

## Compact Pass-Thru™ Modular Crimper

- Crimps and trims Klein Tools RJ45 Pass-Thru™ Connectors
- Trims flush to end face of the connector to eliminate unintended contact between conductors
- On-tool wiring guide helps minimise wiring errors
- Fast, reliable RJ45 Pass-Thru™ modular crimp-connector installation for data applications
- Use with Klein Tools Pass-Thru™ Connectors
- Not for use with standard (non Pass-Thru™) connectors
- Replacement blades available (Cat. No. VDV999-078)



REPLACEMENT  
BLADE KIT  
VDV999-078



VDV226-005

Cat. No.	Cable Size	Connector Type	Position/Pair/Conductors
VDV226-005	CAT3, CAT5e, CAT6/6A	RJ45 Klein Tools Pass-Thru™	8-Position, 4-Pair/8-Conductor

## Compact Ratcheting Modular Crimper

- All-in-one tool cuts, strips and crimps CAT3, CAT5e, CAT6 and flat-satin voice cables
- Crimps RJ11/12 and RJ45 modular connectors
- Full-cycle ratchet mechanism ensures complete connector termination
- Direct lateral crimp action provides more even, precise contact termination across all pins
- Compact, ergonomic design for natural, single-hand operation
- On-tool wiring guide helps minimise wiring errors
- Replacement blades available (Cat. No. VDV999-074)



REPLACEMENT  
BLADE KIT  
VDV999-074

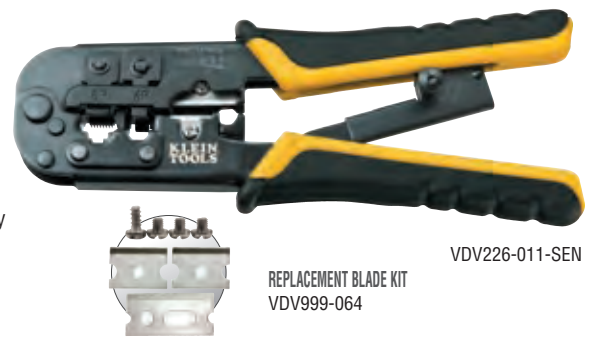


VDV226-107

Cat. No.	Cuts and Strips	Cable Size	Connector Type	Position/Pair/Conductors
VDV226-107	STP/UTP Data Cable Flat-Satin Phone Cable 0.08 - 0.34 mm <sup>2</sup>	CAT3, CAT5e, CAT6	RJ11 RJ12 and RJ45 Standard	6-Position, 2 Pair/4-Conductor; 6-Position, 3-Pair/6-Conductor; 8-Position, 4-Pair/8-Conductor

## Ratcheting Modular Crimper/Stripper

- Fast, reliable modular-crimp connector installation for voice and data applications
- All-in-one tool cuts, strips and crimps paired conductor cables (round STP/UTP and flat-satin phone cable)
- Crimps RJ45, RJ11 and RJ12 modular connectors
- Crimping dies are precision ground from high-carbon steel
- Ratchet safety release and a blade guard on cutting and stripping knives reduce the risk of injury
- Full-cycle ratchet mechanism ensures complete connector termination
- Not for use with AMP® connectors
- Replacement blade set available (Cat. No. VDV999-064)



VDV226-011-SEN

REPLACEMENT BLADE KIT  
VDV999-064

Cat. No.	Cuts and Strips	Cable Size	Connector Type	Position/Pair/Conductors
VDV226-011-SEN	STP/UTP, Flat-Satin Phone Cable and 0.08-0.34 mm <sup>2</sup>	CAT3, CAT5e, CAT6/6A	RJ45, RJ11, RJ12 Standard	4-Position, 1-Pair/2-Conductor, 4-Position, 2-Pair/4-Conductor 6-Position, 2-Pair/4-Conductor 6-Position, 3-Pair/6-Conductor, 8-Position, 4-Pair/8-Conductor

AMP® is a registered trademark of TYCO, Inc.

## Impact Punch-Down Tool

- Use to punch data cables into 66/110 panels and blocks.
- Terminates and cuts wires in CAT3, CAT5e and CAT6/6A cable in one step
- Traditional punch-down style with a cushioned, non-slip handle
- Metal injection moulding (MIM) blade for durability (included)
- Provides precise, reliable connections every time
- Spring loaded for fast, low-effort seating and terminating
- Bayonet style (twist & lock) socket accepts most manufacturers' blades
- Extended Reach Blade (Cat. No. VDV427-110) for working on active panels with pre-existing connections (sold separately)
- Replacement blades available (Cat. No. VDV427-104)



VDV427-300

Cat. No.	Description	Configuration 1 End	Configuration 2 End	Includes
VDV427-300	Impact Punch-Down Tool, 66/110 Blade	110 Terminate and Cut	66 Terminate and Cut	Punch-Down Tool, Extended Reach Blade, Spudger, Wire Pick

## Krone Punch-Down Tool

- For inserting category cable wires into jacks, modules, panels and distribution frames
- Includes swing-out combination hook and spudger
- Designed for use on Krone blocks and network infrastructure
- Lock mechanism by rotating impact lock dial



VDV427-014

Cat. No.	Description	Application
VDV427-014	Krone Punch-Down Tool	Cable Termination

## Twisted-Pair Connectors

- Professional-grade data and telephone plugs deliver consistent, reliable performance
- Featuring thick 50 micro-inch gold plating on 3-pronged contacts for solid and stranded wire. Durable connector housings for a sure connection each and every time



VDV826-704  
VDV826-764

VDV826-705  
VDV826-754

VDV826-702  
VDV826-728  
VDV826-762

VDV826-703  
VDV826-729  
VDV826-763

Connector Type	UTP		STP		PASS-THRU™	
	CAT6a		CAT6a		RJ45 CAT5e	RJ45 CAT6
Position & Contacts	6P4C	6P6C	8P8C		8P8C	
Gold Plating Thickness (micro-inch)	50µ"		50µ"		50µ"	
Cat. No.						
Pack Size: 10					VDV826-728	VDV826-729
Pack Size: 50	VDV826-704		VDV826-705		VDV826-702	VDV826-703
Pack Size: 100			VDV826-754			
Pack Size: 200	VDV826-764				VDV826-762	VDV826-763
Crimping Type	Modular Plug Connector					
Klein Crimping Tools	VDV226-011-SEN, VDV226-107, VDV226-110				VDV226-110, VDV226-005	

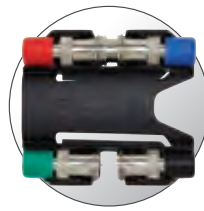




# CABLE TESTING

## Coax Explorer™ 2 Testers

- Test coaxial cable and map up to 4 locations
- Simple push-button operation
- Easy-to-read LED panel indicates PASS, OPEN or SHORT conditions, simplifying cable identification
- 2 Replaceable AAA alkaline batteries, included
- Push-on remotes for ease of use
- Cat. No. VDV512-101 includes a removable holder with 4 colour-coded remotes to trace up to 4 locations at the same time



REMOTE REPLACEMENT KIT  
VDV512-110



VDV512-101



Cat. No.	Cable Type	Test-n-Map ID Remotes	Location ID	Batteries	Display	Included
VDV512-101	RG59, RG6/6Q	4 (included)	4	2 x AAA	LED	Batteries, 4 Coloured Push-on Remotes, F-adapter, Snap-on Remote Holder
VDV512-110	RG59, RG6/6Q	4 (included)	4	—	—	Tester sold separately

## LAN Scout™ Jr 2 Cable Tester

- Offers cable testing of data (RJ45) and phone (RJ11/12) connections
- Larger backlit LCD for low lit areas displays pin-to-pin wiremap results
- Test for Open-Fault, Short-Fault, Miswire or Split-Pair Faults and Shields
- Intuitive user interface features three buttons with simple, easy-to-identify test responses
- Tone single wire, wire pairs or all 8 conductor wires in Category 4 pair wires
- Two tone options (high/low)
- Auto Power-Off feature
- Soft, slip-resistant, rugged overmould for easy gripping and durability
- Includes replaceable self-storing remote
- Replacement remote available; sold separately (VDV999-200)
- Trace cables, wire pairs and individual conductor wires with multiple style tone generator (requires Analogue Probe Cat. No. VDV500-123; sold separately)



VDV526-200



Cat. No.	Cable Type	Connector Type	Batteries	Display	Included
VDV526-200	Shielded or Unshielded; CAT3, CAT5e, CAT6/6A, CAT7	RJ45	2 x AAA	LCD	Tester, Remote, 2 x AAA Alkaline Batteries

## LAN Explorer™ Data Cable Tester with Remote

- Single button testing of RJ11, RJ12 and RJ45 terminated voice and data cables
- Tests CAT3, CAT5e and CAT6/6A cables
- Fast LED responses indicate cable status (Pass, Miswire, Open-Fault, Short-Fault and Shield)
- Test remote stores securely in tester body
- Compact tester easily fits in your pocket
- Auto Power-Off feature to conserve battery life (9V battery included)
- Low-battery indicator



REMOTE REPLACEMENT  
VDV999-150



VDV526-100

Cat. No.	Cable Type	Connector Type	Batteries	Display	Included
VDV526-100	CAT3, CAT5e, CAT6/6A	RJ45 + RJ12	9V	LED	Tester, Remote, 9V Battery

## Scout™ Pro 3 Tester Kits

Next-generation tester kits feature a larger, backlit display, cable length and now Power over Ethernet (PoE)

- Test Voice (RJ11/12), Data (RJ45) and Video (coax F-Connector) terminated cables
- Measure cable length (up to 610 m)
- Backlit LCD screen displays cable length, wiremap, cable ID and test results
- Detect, identify and test Power over Ethernet (PoE)
- Test for Open, Short, Miswire or Split-Pair faults
- Hub Blink mode to identify port location on a hub or a switch
- Includes voltage warning, shield detection, auto power-off and low battery indicator
- Remote options include up to 12 Test + Map™ remotes and up to 18 locator remotes
- All kits include a Self-Storing Test + Map™ Remote
- These models replace the Scout™ Pro 2 series of tester kits



Voice/Data/Video

Included	Cat. No.	VDV501-851 Starter Kit	VDV501-852 Locator Remote Kit	VDV501-853 Smart Remote Kit	VDV770-850 Test + Map™ Remote Upgrade Kit	VDV770-851 Test + Map™ Remote Expansion Kit
Scout™ Pro 3 Tester		●	●	●	–	–
Power over Ethernet		–	●	●	–	–
Self-Storing Remote (#1)		●	●	●	–	–
Test + Map™ Remotes		–	–	#2 to #6	#2 to #6	#7 to #12
RJ45 Locator Remotes		5	18	–	–	–
F-Coax Locator Remotes		5	18	–	–	–
F-Coax Adapter (female-to-female)		1	2	7	6	6
Coax Barrel Adapters (male-to-female)		–	–	7	2	–
RJ45 Jumper Cables (15 cm)		–	2	7	7	6
RJ11 Jumper Cables (15 cm)		–	2	2	2	2
RJ12 Jumper Cables (15 cm)		–	2	2	2	2
9V Alkaline Battery		●	●	●	–	–
Carrying Case		–	● VDV770-126	● VDV770-125	● VDV770-125	● VDV770-127

## LanMap™ Kit and CoaxMap™ Kit

- Identify and map twisted-pair (RJ45) infrastructure (Cat. No. VDV526-055) or coaxial (F-Connector) cable infrastructure (Cat. No. VDV512-056), in up to 19 locations
- For use with Scout™ Pro Series and Commander™ testers
- Heavy-duty design for long life and repeated connections
- Remotes numbered and identifiable by tester 1 through 19 for fast and accurate identification

Cat. No.	Description	For Use With
VDV526-055	LanMap™ Kit	Scout™ Pro Series (VDV501-851; -852; -853)
VDV512-056	CoaxMap™ Kit	Scout™ Pro Series (VDV501-851; -852; -853)



VDV512-056


























VDV526-055



## Commander™ Tester

- Locate, test and measure coaxial, data (RT45) and telephone (RJ11/RJ12) cables
- Measure cable length and Distance-to-Fault with Time Domain Reflectometry (TDR) technology
- Locate and identify cables with location ID remotes, Test-n-Map™ remotes, Link Light and Tone Generator†
- Detect, identify and test Power over Ethernet (PoE)
- Perform active network (Ethernet) testing
- Store up to 256 cable or network tests that can be exported to print reports
- Tester battery life of 20 hours active and 4 years standby
- Probe battery life of 25 hours active and 4 years standby



Features		
	RJ-45 8-Wire Cables	•
	F-Connector Coaxial Cables	•
	Telephone Cables	with adaptor
	Wiremap	•
	Open Fault	•
	Short Fault	•
	Miswire Fault	•
	Split-Pair Fault	•
<b>Pass</b>	TIA-568A/B & Crossover/Uplink	•
	Active Ethernet - Detects link speed and capabilities	•
	Single-End Cable Testing	•
	Test-n-Map™ Remote (Two End Testing) - Test and Identify location in one step with remote	<b>Supports up to 8</b>
	Power over Ethernet Testing	•
<b>TDR</b>	Time Domain Reflectometry - Length Measurement Method	•
	Measures Cable Length	<b>457 m</b>
$\pm(5\% + 1 \text{ ft.})$ $\pm(5\% + 0.3 \text{ m})$	Accuracy/Measurement Resolution	•
	Link Light	•
<b>ID</b>	Cable Identification (Coaxial & Data)	<b>Supports up to 20</b>
	Shield Detection	•
	Voltage Warning	•
	Low Battery Indicator	•
	Store Test Results	<b>256</b>
	Print/Export Custom Reports	•
	Tones* (Down to Single Conductor/Pair/Cable)	<b>4</b>
	Colour LCD Display	<b>6.86 cm</b>
	Multiple Languages	<b>ENG · ESP · FRA</b>
<b>Ft./m</b>	Imperial or Metric Results	•
<b>APO</b>	Auto Power-Off	•
	Customisable Setup	•
	USB interface (for PC connection)	<b>MICRO</b>
	Upgradeable Firmware (via internet download and PC connection)	•



VDV501-828



VDV501-829

## Commander™ Kits



Cat. No.	Cable Type	Test-n-Map ID Remotes	Location ID	Batteries	Display	Included
VDV501-828	RG59, RG6/60, RG7/11, CAT3, CAT5, CAT6/6A	1	5	6 x AA	LCD	Tester, Test + Map Remote #1, (5) LanMap ID Remotes, (5) CoaxMap ID remotes, USB/RJ12/RJ45 Test Cables, Coax Adapter, (6) AA Batteries, Carrying Case
VDV501-829	RG59, RG6/60, RG7/11, CAT3, CAT5, CAT6/6A	1	20	Commander: 6 x AA Alkaline Probe: 1 x 9V Alkaline	LCD	Tester, Probe, Test + Map Remote #1, (20) LanMap ID Remotes, (20) CoaxMap ID remotes, USB/RJ12/RJ45 Test Cables, Coax Adapter, (6) AA Batteries, 9V Battery, Carrying Case

† Functionality requires an analogue tone tracing probe VDV500-123 (Included with Cat. No. VDV501-829).

## Tone & Probe Test and Trace Kit

- Provides simple toning and tracing of non-energised wire
- Responsive probe with durable, non-metallic, conductive tip
- Alligator clips for unterminated wires
- RJ45 to RJ45 test cable
- Toner and probe together perform pin-to-pin wire map test
- Work light on probe tip for use in dark spaces



VDV500-705



Cat. No.	Description	Includes
VDV500-705	Tone & Probe Test and Trace Kit	RJ45 Cable, RJ12 and Alligator Clip Cable, 4 x Batteries
VDV770-855	Replacement Cables for Tone & Probe Test and Trace Kit	Alligator Clips to RJ11 Plug; RJ45 to RJ45

## Tone & Probe PRO Kit

- Includes a professional grade tone generator and tracing probe for non-active wiring
- Toner-Pro features 5 distinct tone cadences
- Rugged Angled Bed of Nails (ABN) clips securely to attach to wires
- RJ11 plug easily connects to telephone and RJ45 data jacks to tone wire pairs
- Toner-Pro tests for continuity and polarity with results indicated by clearly labelled LEDs
- Probe-Pro features 3.5 mm headphone jack for noisy environments (headphones not included)
- Responsive probe with durable non-metallic, replaceable conductive tip (VDV999-068) — sold separately
- Work light on probe tip for use in dark spaces
- Terminal block on probe to confirm the toned pair
- Each tool includes 4 x AAA batteries
- Custom, padded, divided, zipper pouch for convenient storage (VDV770-500) included with kit



VDV500-820

Cat. No.	Kit Contains
VDV500-820	Tone and Probe PRO Kit
Cat. No.	Description
VDV500-063	Toner-PRO Tone Generator
VDV500-123	Probe-PRO Tracing Probe
VDV770-500	Zipper Pouch for Tone and Probe



REPLACEMENT TIP FOR PROBE-PRO TRACING PROBE VDV999-068 (sold separately)

## Probe-PRO Tracing Probe

- Traces non-energised wiring when used with the Toner-Pro Tone Generator (VDV500-063, sold separately)
- Responsive, durable, replaceable, non-metallic, conductive tip
- Work light for use in dark spaces
- 3.5 mm headphone jack for noisy environments (headphones not included)
- Terminal block on probe to confirm the toned pair has been located
- Tool-less, twist-and-lock replacement tip (VDV999-068) available
- One-push power button with Power-On LED indicator - no need to hold the button down
- Auto Power-Off and low battery indicator
- Includes a loop for a lanyard
- Works with Klein's Scout™ Pro, LAN Scout™ Jr. and Commander series of testers



VDV500-123



REPLACEMENT TIP FOR PROBE-PRO TRACING PROBE VDV999-068 (sold separately)

Cat. No.	Batteries	Overall Length	Overall Width
VDV500-123	4 x AAA	23 cm	3 cm



## Toner-PRO Tone Generator

- Professional grade tone generator for non-active wiring
- For use with the Probe-Pro Tracing Probe (VDV500-123) required (sold separately)
- Five distinct tone cadences
- Rugged Angled Bed of Nails (ABN) clips securely to attach to wires
- RJ11 plug easily connects to telephone or RJ45 data jacks to tone individual conductors or wire pairs
- Tests for continuity and polarity, which are indicated by clearly labelled, easy-to-read LEDs
- Auto Power-Off and low battery indicator
- Includes a loop for a lanyard

Cat. No.	Batteries	Overall Length	Overall Width
VDV500-063	4 x AAA	10.8 cm	2.5 cm



VDV500-063



# TOOL BAGS

## REMOVABLE TOOL CADDY

with handles and D-Ring for hanging



TRADESMAN PRO™

## TOOL MASTER BACKPACK

**Padded handle** with reinforced aircraft cable

**Metal hanging hook** tucks easily away

**Large interior space** fits larger hand tools like drills

**Durable back padding** extends over the hard bottom for carrying comfort

**48 POCKETS**

**Extra padding** on the shoulder straps

**Adjustable chest and lower straps** for a customised fit

**Moulded front pocket** protects safety glasses, phones, etc.

**Hard moulded plastic bottom** protects from the elements

## Tradesman Pro™ Tool Bag Backpack

- Tool Backpack with 35 pockets of different sizes for easy organisation
- Tall interior pockets for long screwdrivers
- Orange interior to find tools easily
- Upper pocket holds mobile phones, keys, etc.
- Front zipper pocket has space for pencils and small items
- 1680d ballistic weave material for durability
- Bottom is constructed of a tough, diamond-textured coated material



55475

Cat. No.	Number of Pockets	Overall Length	Overall Height	Overall Width
55475	35	18.7 cm	44.5 cm	36.8 cm

## Tradesman Pro™ Electrician's Backpack

- Wide opening fits power drills, meters, torches, etc.
- Large front pocket easily fits cables and tools
- Hard moulded pocket to protect safety glasses, meters, etc.
- Re-sized pockets to better fit tools
- Shoulder strap with extra padding
- Longer pockets for screwdrivers



55421BP-14

Cat. No.	Number of Pockets	Overall Length	Overall Height	Overall Width
55421BP-14	39	36.8 cm	50.8 cm	18.4 cm

## Tradesman Pro™ Tool Master Backpack

- 48 pockets to easily keep everything organised
- Removable tool caddy with carrying handles and a D-ring for hanging, a zipper pocket and closed pouches for small tools and parts, and open pockets and straps ideal for long drivers
- Aircraft cable heavily reinforces the handle, as well as a heavy-duty zipper with lockable pulls
- Made of durable 1680d ballistic weave material and a moulded bottom to help protect from the elements!
- Hang the bag from the heavy-duty metal hook for easy access into the bag
- Well-padded shoulder straps have a buckled chest strap along with adjustable lower straps for a perfect fit
- Moulded front pocket helps protect items like phones and safety glasses
- Orange interior helps find tools easily and a large interior space for larger hand tools



55485

Cat. No.	Number of Pockets	Overall Length	Overall Height	Overall Width
55485	48	28 cm	45 cm	34 cm

## Tradesman Pro™ Tool Master Rolling Tool Bag

- Rolling Tool Bag's rugged 203.2 mm wheels provide high clearance to easily roll over rough terrain
- Tool bag has a hard top that allows for stacking materials on top
- Load tested up to 113 kg
- Heavy-duty telescoping handle for easy manoeuvring on the jobsite
- Exterior webbing and D-rings allow for bungee cord attachment and other add-ons
- Double lock hasp on hard top fits padlock, so nothing goes missing (padlock not included)
- Constructed with durable water resistant 1680d ballistic weave material
- Wide open interior accommodates large tools
- Hard top is contoured to hold a mobile phone, beverages and small parts



55473RTB

Cat. No.	Number of Pockets	Overall Length	Overall Height	Overall Width
55473RTB	19	55.4 cm	57.2 cm	39.1 cm



# FISH TAPES

## Multi-grip handle

gives you a firm, steady grip as you pull tape from the case

## Slip-resistant housing

geometry improves winding power and reduces binding

## Polypropylene case and handle

offer impact resistance



## Laser etched markings in 0.3 m increments

allow you to more accurately measure the depth of conduit runs and determine the amount of tape left to pay out

**Designed to decrease payout effort**  
by optimising the tape payout angle

**Unique, low friction case**  
reduces binding



Available in steel, fibreglass and stainless steel, with a wide variety of tips

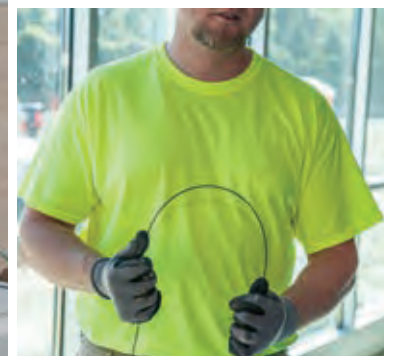
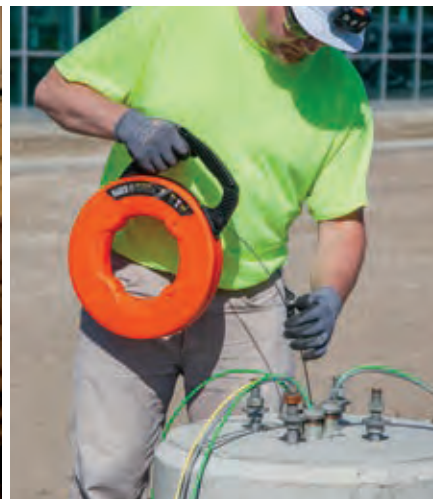
## Steel Fish Tapes

- The 0.32 cm wide, high-strength fish tapes are made of spring steel that stays stiff for long runs and is great for heavy-duty wire pulls
- Raised finger grips transfer 100% of the winding force from your hand and fingers
- The full profile handle always provides a firm hold when pulling the tape out of the housing
- Ergonomically sloping handle optimises the hand position for quick winding

Cat. No.	Length	Reel Diameter	Width	Tape Material	Weight
<b>0.64 cm Wide Steel Fish Tapes</b>					
56335	8 m	178 mm	0.64 cm	Steel	0.50 kg
<b>0.42 cm Wide Steel Fish Tapes</b>					
56331	15.2 m	178 mm	0.42 cm	Steel	0.68 kg
56002	19.8 m	119 mm			1.20 kg
56340	38.1 m	330 mm			2.30 kg
56334	73.2 m				3.60 kg



Double-loop tip side profile





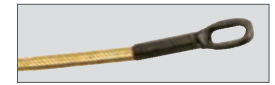
## Fibreglass Fish Tapes

- Great for cable installations in commercial and residential Voice/Data/Video installations
- Strong S-Glass fibreglass has better pushing power and a longer life while maintaining its low-friction exterior and great manoeuvrability
- Extremely light and yet very robust
- Repair kit (Cat. No. 56115) available to replace tips
- Replacement metal eyelets (Cat. No. 56116) and spiral steel leaders (Cat. No. 56120) available



56351

178 mm spiral steel leader



Cat. No.	Length	Reel Diameter	Dimensions	End/Leader	Weight
56350	15.2 m	330 mm	314 x 412 x 47 mm	Spiral Steel Leader	1.30 kg
56351	30.5 m				1.50 kg

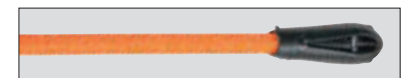
## Multi-Groove Fibreglass Fish Tape

- Very stable and therefore suitable for long distances
- Low surface contact when pushing through overcrowded lines ensures a clean design
- Sturdy, 178 mm long leader helps to push the tape through overcrowded lines
- Repair kits (Cat. Nos. 56115 and 56025) available to replace tips
- Replacement metal eyelets (Cat. No. 56116) and spiral steel leaders (Cat. No. 56120) available



56382

Fish tape tip with non-conductive eyelet



Cat. No.	Length	Reel Diameter	Dimensions	End/Leader	Weight
56382	15.2 m	330 mm	314 x 412 x 47 mm	Non-Conductive Eyelet	1.20 kg

## Premium Synthetic Lubricants

- High performance lubricant for a variety of applications

Cat. No.	Size	Type	Container	Working Temperature
51010	0.9 L	Wax	Squeeze Bottle	-6° C to 50° C
51015		Polymer		-6° C to 60° C

NOTE: Do not use a wet product on live circuits. Compound is electrically conductive before it dries.



51010



51015



## Warning Symbols

The following warning symbols are utilised on Klein Tools products and throughout this book to inform you of the level and nature of the hazard associated with our products. As a general warning, you should always inspect your tools before each use. Keep the tool clean, dry and free of surface contaminants.

	Warning Symbol		Strong Magnetic Field
	Wear Eye Protection		Risk of Shock
	Do Not Use On or Near Live Electrical Circuits		For Use on Bare Live Conductor (Clamp Meter)
	Read Instructions Before Use		Laser Warning
	Do Not Use to Pry		Not Personal Protective Equipment
	Do Not Use to Chisel		Do Not Probe Moving Parts
	Do Not Extend Handle Length		Do Not Strike Hammer Faces Together
	Do Not Push or Hammer		Double Insulated
	Use a Safe Work Position		1000V Rated

For warranty information on all products, visit [www.kleintools.com](http://www.kleintools.com).

# PROPER USAGE GUIDE



Prepared by KLEIN TOOLS  
in conjunction with the  
Hand Tools Institute.  
Available from your  
Klein distributor  
(Cat. No. 98016).

### Specifications of all products in this catalogue are subject to change without notice.

Dimensions shown for all forged products in this catalogue are as precisely accurate as possible, but are subject to very slight variations that are unavoidable in forging and grinding operations. Dimensions of Klein forged tools and all other tools and equipment are always within the commercial tolerances recognised for such products.

# BRANDED MERCHANDISING

For a complete line of our branded merchandise, visit [www.kleintools.com](http://www.kleintools.com)



# VISUAL MERCHANDISING

For a complete line of our visual merchandise, contact [international@kleintools.com](mailto:international@kleintools.com).  
Visual merchandising is for distributors only.



**For over 164 years,  
Klein Tools has been the  
brand professionals have  
trusted to Power America!**

That trust is invaluable to us, and every day we strive to keep building on that trust. We work hard each day to produce tools to help you perform your job better and more efficiently.

We look to you for feedback, good or bad, to continuously improve our product offerings. And we make every effort to develop, design and manufacture these tools right here in the USA. Our commitment is always to you, the customer, and to continue as a US manufacturer of top-quality tools.



**Join the Trades Club**

at [tradesclubuk@super-rod.co.uk](mailto:tradesclubuk@super-rod.co.uk)  
for the newest products, innovations  
and chances to win **FREE** tools

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