

Tools

nomo



བགྲིས་བད་དོན་བརྒྱུད་འབྲེལ་སྒྲེར་སྒྲེ་ཚད་འཛིན།

Tashi InfoComm Private Limited

① Item 1: Safety Belt



Karam PN 01(A) Slim Work Positioning Belt.

Features

It Consists of Restraint Lanyard Ref. PN 203 of 1.5m sliced at the Lateral D-ring of work positioning belt and the other end connected with Karabiner PN 112.

Optimum width comfort pad to provide sufficient lumbar support.

Available in sizes- Medium.

Two Lateral D-Rings for Work Positioning.

Rings for tool holders, bolt bags, etc.

Width of Back Pad is 9 cms.

Conforms to EN 358:1999.

Specifications

Product: Work Positioning Belt

Brand: Karam

Model: PN01

Width of Back pad : 21 cms

Available in sizes: Medium



+975 77889977



P.O Box 1502, Samten Lam, Thimphu, Bhutan



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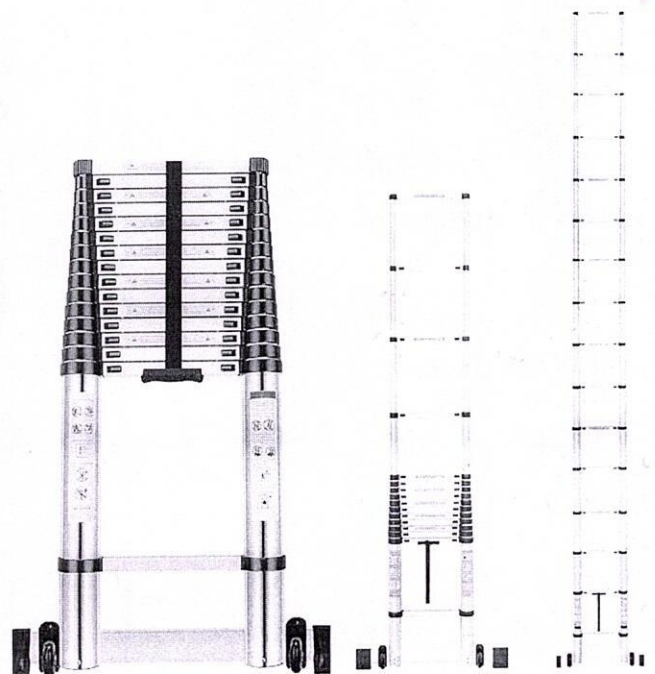
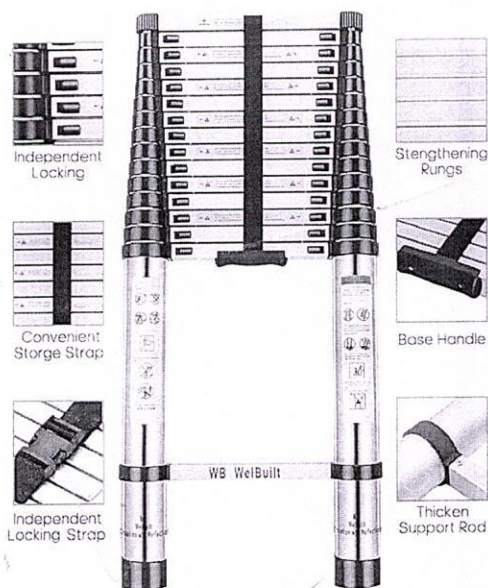
② Telescopic Ladder:

Welbuilt 7 Meter Telescopic Ladder with Support bar & Wheels | 2-Year Warranty | EN131 Certified Foldable Multipurpose Step Ladder for Home & Outdoor use (23 Feet)

Material	Aluminium
Brand	WB WELBUILT - CREATION WITH PERFECTION
Product Dimensions	49W x 700H Centimeters
Colour	Silver
Special Feature	Foldable
About this item	

- Premium Aluminum Ladder: This telescopic ladder is made of premium quality aluminum alloy, which is corrosion resistant, rust resistant, and long service life.
- Safe to Use: High quality rubber feet for extra stability and grip and stable locking key between two neighboring steps to avoid bumping and friction
- Adjustable Height: These ladders can be extended to various heights, providing versatility for different tasks, whether it's reaching high shelves, changing light bulbs, or accessing rooftops. Open-Size:23 Feet, Folding-Size:3.6 Feet, Item Weight:15.82 Kg, Load Capacity:150 Kg.
- Multi Purpose Telescopic Ladder: This extending ladder is perfect for indoor housework and outdoor activities, such as home/building maintenance, gutters cleaning, window cleaning, replacing light bulbs, garden work, access attic/loft, indoor/outdoor decoration, painting walls, cleaning motorhome roof, and so on.
- How to Use: Easy to extend and retract, when you extend, pull up a section, hear a "click" sound, confirm that the left and right locks are in place; to retract, please unlock the it from down to top, rung by rung, do not put your hands on the "step" to avoid pinching hands.
- Portable and Space Saving : This foldable ladder is lightweight and easy to carry. Such folding ladders are convenient and space-saving to store. Our retractable ladder can be stored under the bed, behind the cabinet or behind the door and so on.

PRODUCT DETAILS



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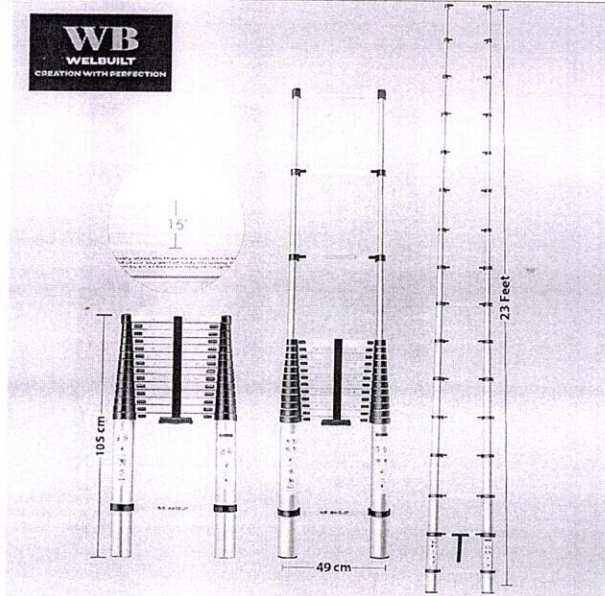
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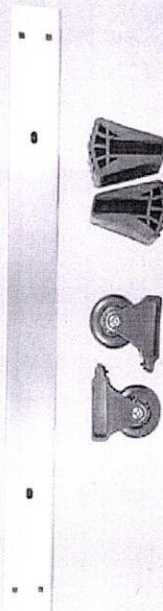
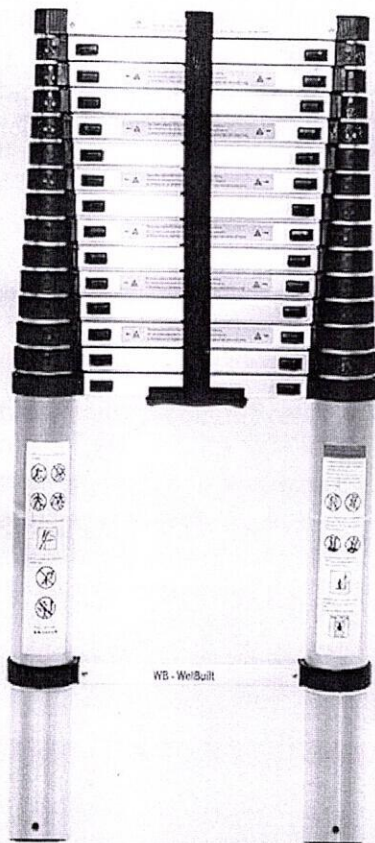


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Accessories include
Stabilizer Bar,
Anti Skid feet & Wheel Kit



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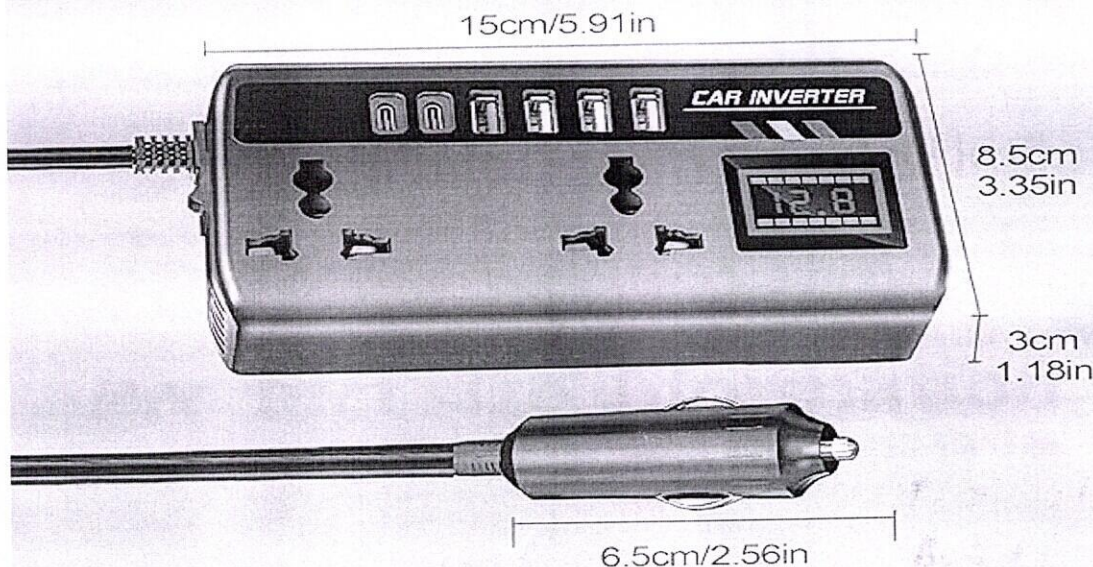


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- ③ **Car Inverter:**
200W Car Power Inverter/Laptop Charger with 4 USB & 2 C Type(1 * 27WPD) Smart USB Ports, 2 AC Universal Outlets and 12V DC to 220V AC with QC3.0 (4 USB Type A QC3.0 + 2 Type C)

Product size information

Dual international sockets 3USB dual Type-C QC3.0 cigarette lighter port Nine outlets meet the needs of multiple devices simultaneously



*Manual measurement, there may be some errors, subject to the actual product.

- ④ **Pulley:**
500 kg Heavy Duty Single Rope Pulley Swivel Lifting Hook with Latch
- Made of high-strength steel, this heavy-duty construction ensures long-lasting performance in industrial settings.
 - Snatch Block Design: This design makes it simple to install ropes without threading, which increases lifting and towing activities' efficiency.
 - High Load Capacity: Ideal for rigging, hoisting, and crane operations, this device is made to support large loads.
 - Smooth Swivel Mechanism: This mechanism has a hook that rotates 360 degrees, making it easy to move and reducing friction while in use.
 - Versatile Use: Perfect for industrial lifting requirements, garages, construction sites, and maritime applications.



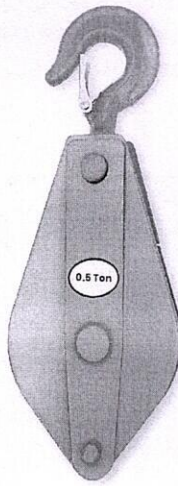
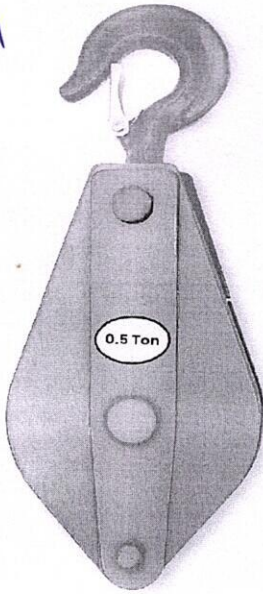


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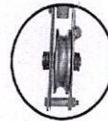
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SL. 9

REINFORCED LOAD-BEARING



Safety hook With Lock



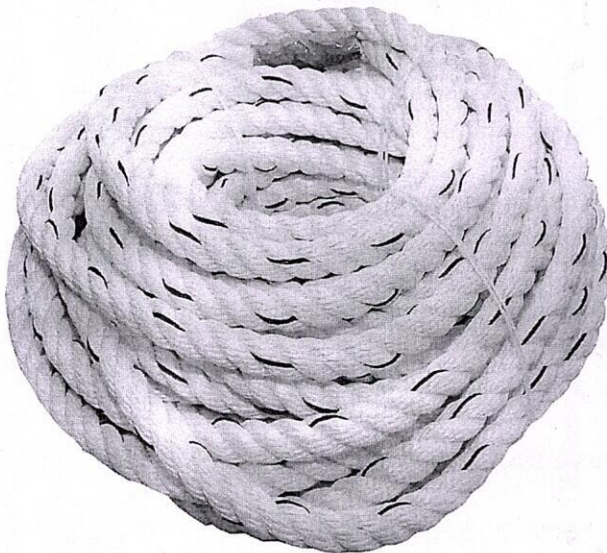
High Quality Pulley



Rotary opening

Rope:

High Strength Utility Rope for Industrial use (100 Meter, 16 mm) for liftings telecom structures. It should be compatible with above pulley.



Material Nylon
Length 100 METER

SL. 5

Compass:
CASON (DEVICE OF C) Professional High Accuracy Metal Waterproof Military Compass for Directions (8 X 6.5 X 3 Cm, Green)

Brand CASON (DEVICE OF C)
Material Metal



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Item Weight	0.19 Kilograms
Product Dimensions	8L x 6.5W Centimeters
Special Feature	High strength engineering metal body, rugged and capable of working under extreme weather condition.

About this item

- High strength engineering metal body, rugged and capable of working under extreme weather condition

- Waterproof and shakeproof, suitable for motoring, boating, camping, Hiking, mountaineering, exploring, hunting and other outdoor activities. DIMENSIONS-8 X 6.5 x 3 CM

- PACKAGE INCLUDES -1 X Military Lensatic Prismatic Compass , 1 x army pouch , 1 x manual

- Special design of fluorescent light, you can use it and read data on it in dark environment after absorbing enough sunshine

- High accuracy, built-in a bubble level, which can improve its accuracy and decrease its errors. 6 Months if manufacturing defect-CARRY IN WARRANTY



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Tools and Equipment's

SL-6 A. Handdrill Machine- Bosch

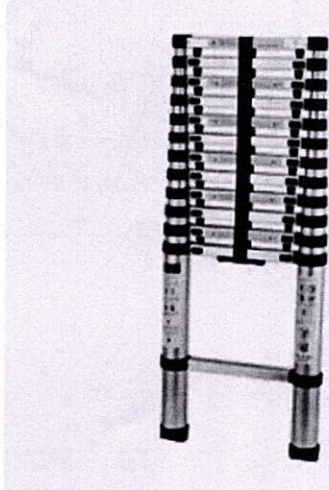


GSB 183-Li (2 Battery) Kit (NEW)

Brand	Bosch
Power Source	Battery Powered
Voltage	18 Volts
Colour	Blue
Included Components	Drill Attachment
Product Dimensions	13.6L x 11.6W x 3.9H Centimeters
Speed	1300 RPM
Item Weight	3395 Grams
Maximum Power	850 Watts
Drill Type	Impact Driver

- Cordless for maximum freedom, convenience, and safety
- Suitable for a range of applications, even masonry, due to impact drilling function
- Electronic features protect the motor and extend the battery life
- Compatible with all Bosch 18V batteries and chargers
- Ideal for driving screws into wood and drilling into masonry, metal, and wood; Package Contents: Cordless Impact Drill/Drivers With 2 Battery

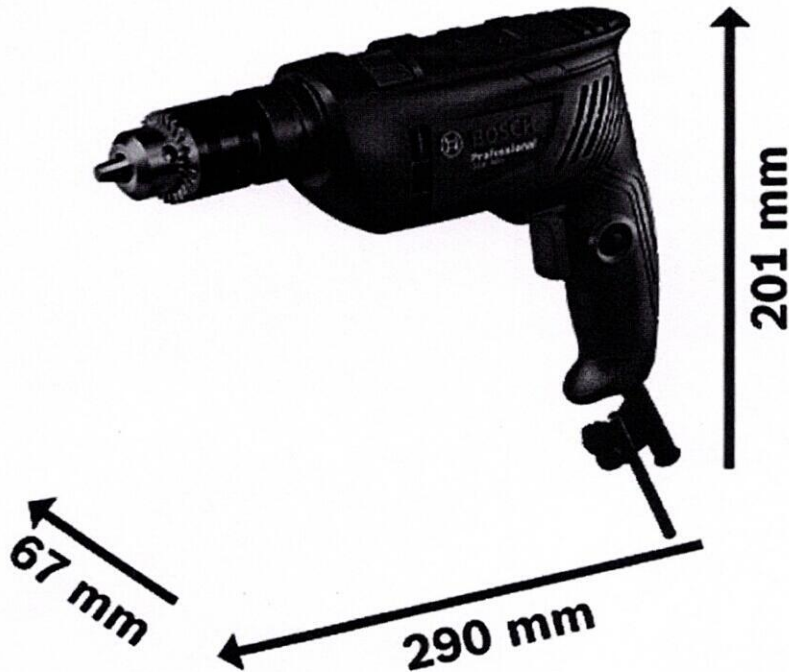
SL-8 A. Ladder



Model NO.: TLS38040B
 Height: 12 ft
 Insulativity: Non-Insulated
 Load-bearing: 150KG
 Material: Aluminum
 Pedal Number: 13 Steps
 Type: Step Ladders
 Fold Height: 15cm
 Open Height: 3.6m
 Steps: 13
 Step Distance: 30cm
 Thickness: 3.5mm and 8mm
 Certification: En131
 Close: Fast Folding Close
 Function: Telescopic Ladder
 Loading: 150kg
 Insulation: Non-Insulated
 Warranty: 1 Years
 Transport Package: Strong Carton
 Specification: 62*36*17cm
 Trademark: Fushi Feng
 HS Code: 7610900000
 Production Capacity: 30000PCS/Year

4. Drilling Machine

SL-7



Brand	Bosch
Power Source	Corded Electric
Maximum Rotational Speed	3000 RPM
Voltage	240 Volts (AC)
Amperage	14 Amps
Maximum Chuck Size	13 Millimeters
Colour	Blue
Included Components	Drill Attachment
Special Feature	Variable Speed
Product Dimensions	28L x 7.2W x 27.5H Centimeters
Material	Metal
Maximum Torque	1.4 Newton Metres
Number of Speeds	1

Speed	3000 RPM
Item Weight	1.8 Kilograms
Maximum Power	600 Watts
Item Torque	1.4 Newton Meters
Drill Type	Impact Driver
Is Electric	Yes
Drilling Capacity Wood	25 Millimetres
Manufacturer	Robert Bosch GmbH, For any queries please contact Customer Service Number: 1800-425-8665 (Toll free)
Drilling Capacity Metal	10 Millimetres
Color	Blue
Shipping Weight	2.16 Kilograms
Item Model Number	06011A03F0
Item Part Number	06011A03F0
Primary material	Metal
Manufacturer	Robert Bosch GmbH

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3. Pro'sKit tools

38Pcs Pro'sKit PK-1938M3 Professional Telecom and Network Tool Kit Computer Network Monitoring System Installation and Repair



PK-1938M3

Product sellpoints

- **Portable and Versatile:** Lightweight and compact, this set is perfect for on-site network and telecom repairs.
- **Professional-Grade Tools:** Pro'sKit PK-1938M3 tools are crafted for professional-level precision and durability.
- **38Pcs Comprehensive Kit:** A complete 38-piece tool set designed for telecom and network installation and repair.
- **DIY Electrical Supplies:** Ideal for electrical DIY projects, this kit is your go-to tool for any electrical work.
- **Versatile Application:** Suitable for a wide range of tasks, from computer network monitoring to system installation.



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SL 10

SPECIFICATION:

- AC current: 400 A
- AC current frequency response: 45 Hz-400 Hz
- DC Current: 400 A
- DC current frequency response: 45 Hz-400 Hz
- AC voltage: 600 V
- DC voltage: 600 V
- Display count: 4000
- Temperature: -40 °C - 1000 °C
- Frequency: <30V (on Hz position)
- Jaw opening: 28 mm

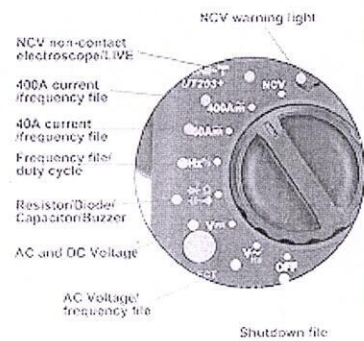


GENERAL CHARACTERISTICS:

- Brand: UNI-T
- Model: UT203+
- Power Source: Battery Powered (1.5V battery x 2)
- Style: Digital
- Colour: Red, Black
- Display: 37 mm x 25 mm
- Product net weight: around 240g
- Product size: 215mm x 63mm x 36mm
- Standard accessories: Batteries, test leads
- Standard individual packing: Gift box, Carrying bag

UT203+

- 600V AC/DC voltage
- 400A AC/DC current
- capacitance 40mF



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SL 11

A. Inverter General Characteristics:

Power	150Watt
Input Voltage	-48 Volt DC
Capacity	150Watt
Material	Mild Steel
Output Voltage	220V AC
Brand	Any brand
Input DC Voltage	-48V
Current	0.7Amp
Continuous Power Output	150W
DC Input Voltage	-40 Vdc to -60 Vdc
AC Output Voltage	220 V +/- 5% rms
Frequency	50 Hz +/- 3%
Output Regulation	+/- 5%
Efficiency	>85%
Alarms:	Input Low
Protection:	Input Low Voltage cut-off; Input High Voltage Protection; Output Overload Protection
Operating Temperature	-5°C ... +55°C
Storage Temperature	-20°C ... +70°C



Remarks:
Resubmitted.

fault

Address:
Phone:

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+975 77889977

Website: www.tashicell.com



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SL 12

S/L 13: Screw Driver Set

- ❖ Product Type: Multi-blade screwdriver set
 - ❖ Standard Compliance: IS 844:1979
 - ❖ Material (Blades): High-grade steel
 - ❖ Handle Material: Transparent green cellulose acetate (C.A. plastic)
 - ❖ Handle Properties: Non-flammable, resistant to oil, petrol, grease, and water
- Set Contents

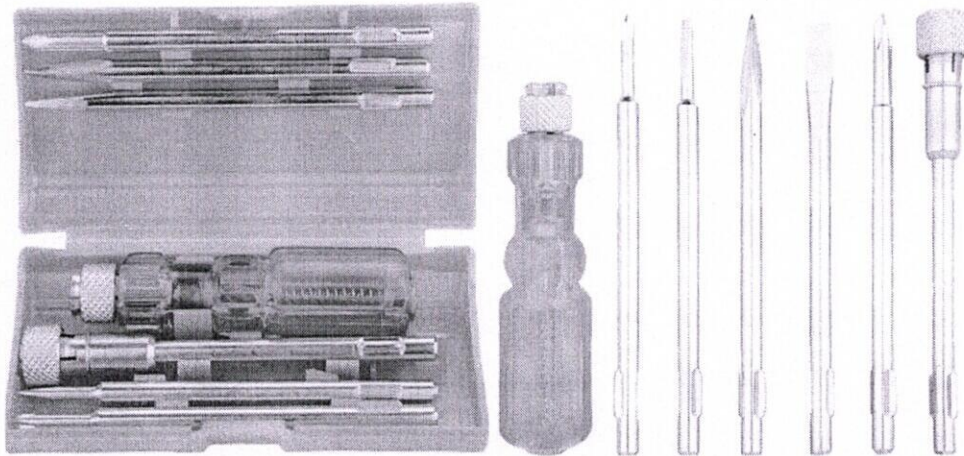
- ❖ Flat Blade: 6.0 × 0.8 mm
- ❖ Flat Blade: 3.5 × 0.5 mm
- ❖ Phillips Blade: No. 0
- ❖ Phillips Blade: No. 1
- ❖ Square Poker Blade: 1 pc
- ❖ Extension Rod: 1 pc
- ❖ Handle with Neon Bulb: 1 pc

Design & Performance Features

- ❖ Durable blade construction for long service life
- ❖ Interchangeable blade system for versatile applications
- ❖ High insulation handle suitable for electrical work
- ❖ Transparent handle design for visibility and durability

Application

- ❖ Electrical installation and maintenance
- ❖ Mechanical servicing
- ❖ Telecom and equipment installation
- ❖ General industrial and household use



Sample Image



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S/L 10: Helmet

Safety Helmet for Construction – Ratchet Type (IS:2925:1984 Certified, White)

- ❖ Product Type: Industrial Safety Helmet / Hard Hat
- ❖ Standard Compliance: IS: 2925:1984
- ❖ Color: White
- ❖ Material: Polypropylene (PP)
- ❖ Weight: Approx. 300 grams
- ❖ User Type: Men (construction & industrial use)

Design & Comfort Features

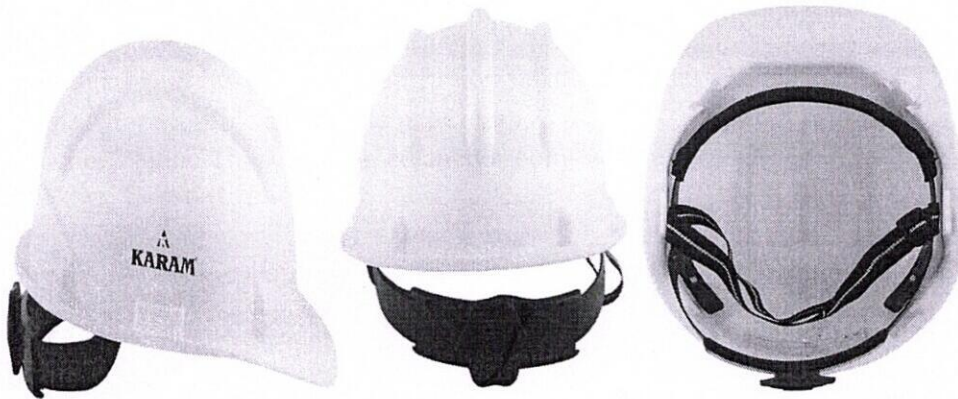
- ❖ Adjustment System: Ratchet type size adjustment
- ❖ Chin Strap: Adjustable, included
- ❖ Suspension System: 4-point attachment cradle
- ❖ Headband Material: Non-skin irritant fabric
- ❖ Forehead Pad: Soft comfort pad for long working hours
- ❖ Nape Strap: Simple adjustable nape strap
- ❖ Anchor Points: Thick reinforced anchor point walls

Accessory Compatibility

- ❖ Side Slots: Provided for face shield fitting
- ❖ Hearing Protection Support: Compatible with earmuffs and other protective accessories

Application

- ❖ Construction sites
- ❖ Telecom & fiber installation work
- ❖ Industrial plants
- ❖ Electrical & maintenance work



Sample Image



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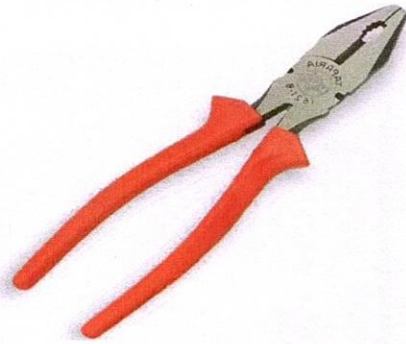
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- SL 14 5. VDE Combination Plier
Brand: Taparia
Product Code: 1621-8
Item Dimensions: LxWxH (21 x 1.2 x 2.7) Centimetres
Color: Red
Size: 210mm (21cm)
Handle: Material Plastic
Item Weight: 325 Grams



6. ½ Tent



Brand 2
Size (Dimensions?)
14/01/2016

- SL 15 7. Philips Blaze Rechargeable LED Light, Multi-Functional Long Range Handheld
Light with Powerful Beam and Emergency Mode, Durable Black





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Special Feature	Energy Efficient, Rechargeable
Colour	Black
Power Source	Battery Powered
Light Source Type	LED
Material	Plastic

8. 4 Men A-shaped Tent



✓ Disinfectant / size.
✓ Brand. ?
GTH
14/01/20

9. Pulley



Manila rope pulley heavy duty single sleeve. 4 inch, 3MM plate thickness, with safety latch

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Phone:

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SL 16 10. Tool Bag
STANLEY 1-95-611 Heavy-Duty 600 Denier Fabric Tool Backpack-50 Pockets



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S/L 12: Screw Driver Heavy dual

Heavy Dual Screwdriver – 2-in-1 (Phillips & Flat)

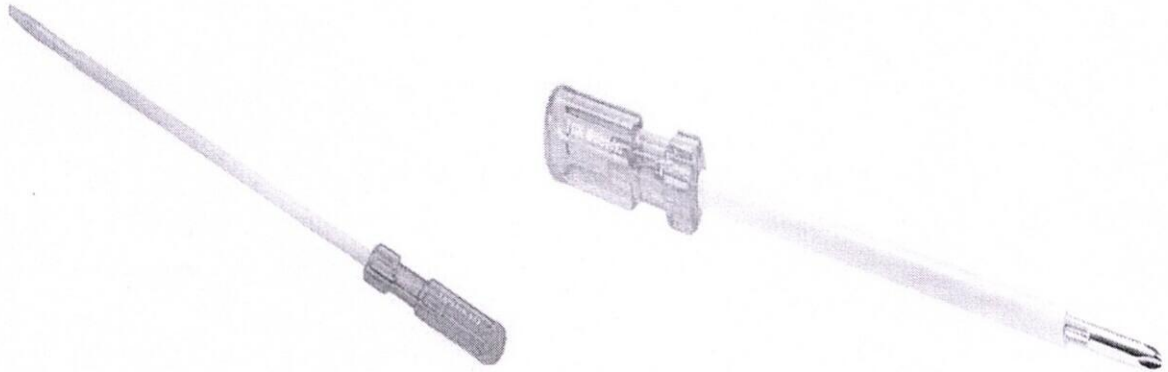
- ❖ Product Type: Dual-tip screwdriver (Phillips + flat)
- ❖ Material: High-grade steel blade
- ❖ Handle Color: Green & Yellow
- ❖ Package Contents: 1 piece (two-in-one screwdriver)
- ❖ Warranty: 1 year standard product warranty

Design & Technical Features

- ❖ Tip Types: Phillips #2 and Flat 6.0 × 0.8 mm
- ❖ Blade Length: 250 mm
- ❖ Handle Design: Ergonomic, high-grip handle for better torque and comfort
- ❖ Construction: Heavy-duty design for industrial and maintenance use
- ❖ Durability: Wear-resistant tip with long service life

Application

- ❖ Electrical installation and maintenance
- ❖ Mechanical repair work
- ❖ Telecom and equipment installation
- ❖ General industrial and household use



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S/L 11: Adjustable Wrench

Adjustable Wrench – 26 mm Jaw Opening (Professional Grade)

- ❖ Product Type: Adjustable wrench / spanner
- ❖ Material: Forged chrome vanadium steel
- ❖ Maximum Jaw Opening: 26 mm
- ❖ Finish: Corrosion-resistant polished surface
- ❖ Handle Type: Insulated, non-slip ergonomic grip

Design & Performance Features

- ❖ Precision-machined jaws for firm grip and reduced slippage
- ❖ High tensile strength for heavy-duty tightening and loosening tasks
- ❖ Smooth adjustment mechanism for accurate jaw positioning
- ❖ Durable construction suitable for frequent professional use

Application

- ❖ Mechanical maintenance and repair
- ❖ Electrical installation work
- ❖ Plumbing tasks
- ❖ Industrial servicing and general DIY repairs



Sample image



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S/L 14: Wrench Set

- ❖ Product Type: Combination wrench set
 - ❖ Wrench Type: Set
 - ❖ Orientation: Double sided (open end + ring end)
 - ❖ Material: Chrome vanadium steel
 - ❖ Finish: Chrome vanadium polished / corrosion-resistant finish
- Physical Details

- ❖ Item Length: Approx. 11.81 cm (per wrench, average)
 - ❖ Total Set Weight: Approx. 1500 grams
- Set Contents (Sizes): 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 17 mm, 19 mm, 22 mm

Design & Performance Features

- ❖ High-strength forged construction for heavy-duty use
- ❖ Precision-machined jaws for accurate fit and reduced rounding
- ❖ Durable finish for rust and wear resistance
- ❖ Suitable for continuous professional use

Application

- ❖ Mechanical maintenance and repair
- ❖ Electrical and telecom installation
- ❖ Industrial servicing
- ❖ Automotive and general workshop use



Sample Image



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S/L 20 S/L 15: Tool Kit

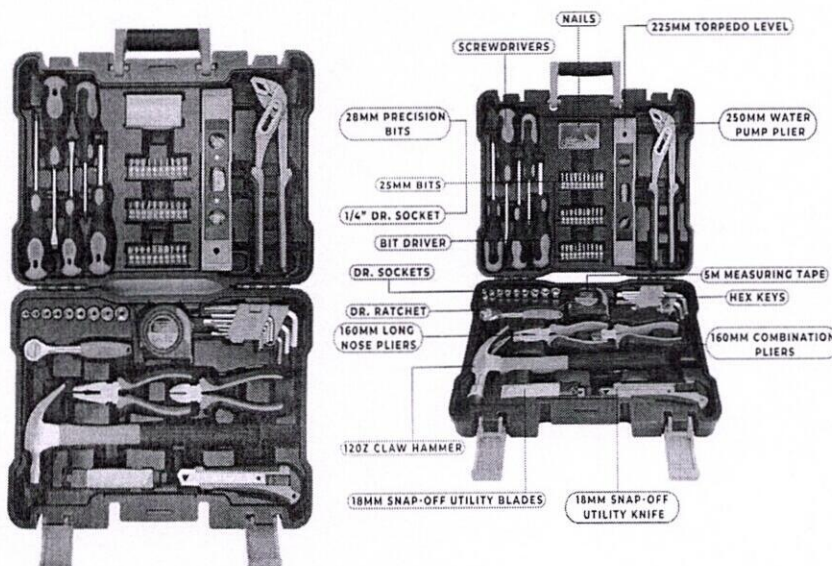
- ❖ Product Type: Hand tool kit / DIY tool set
- ❖ Design: Compact and lightweight
- ❖ Application: Household DIY tasks and emergency maintenance
- Set Contents**
 - ❖ Ratchet: 1/4" drive with socket set (5 mm to 13 mm)
- ❖ Screwdrivers:
 - Two-tone handle screwdriver
 - Ratchet type screwdriver for small screws and electronic gadgets
- ❖ Bits: Assorted bits with CRV bit driver
- ❖ Pliers:
 - Water pump pliers, 250 mm (carbon steel)
 - Combination pliers, 160 mm (carbon steel)
- ❖ Hammer: 12 oz claw hammer (carbon steel)
- ❖ Hex Keys: Set of 8 pcs (sizes 1.5 mm to 6 mm)
- ❖ Level: Torpedo level

Material & Build

- ❖ Tool Material: High-strength carbon steel
- ❖ Handle Design: Ergonomic, dual-tone non-slip grip
- ❖ Durability: Designed for long service life in household and light industrial use

Application Areas

- ❖ Electronics repair
- ❖ Furniture assembly
- ❖ General home maintenance
- ❖ Light mechanical and electrical work



Sample Image



+975 77889977



P.O Box 1502, Samten Lam, Thimphu, Bhutan



<https://www.tashicell.com>



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SL 29

S/L 16: Safety Cones

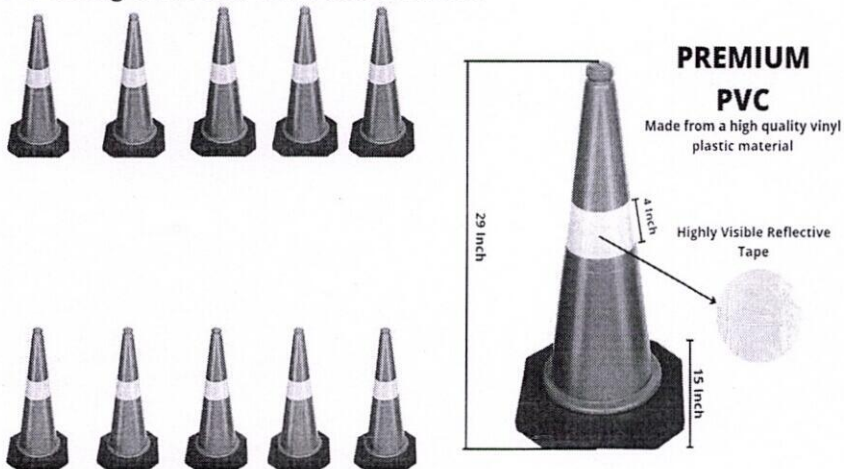
- ❖ Product Type: Road / traffic safety cones
- ❖ Material (Cone Body): High-quality PVC plastic
- ❖ Base Material: Black rubber weighted base
- ❖ Color: Red cone body with white reflective sleeve
- ❖ Height: 750 mm (29 inches)
- ❖ Weight: Approx. 1.6 kg per cone
- ❖ Reflective Sleeve Width: 4 inches
- ❖ Quantity per Pack: 10 cones

Design & Performance Features

- ❖ High visibility reflective collar for day and night use
- ❖ Mixed with high-quality pigment and anti-UV additives
- ❖ Semi-flexible and UV stabilized construction
- ❖ Non-fading colors for long outdoor service life
- ❖ Weighted base for improved stability in wind and traffic environments

Application

- ❖ Road safety and traffic control
- ❖ Construction sites
- ❖ Telecom and utility maintenance zones
- ❖ Parking areas and industrial facilities



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S/L 17: Reflector Vest

- ❖ Product Type: Reflective safety vest / high-visibility jacket
- ❖ Material: High-quality nylon fabric
- ❖ Design: Lightweight and easy to carry
- ❖ Visibility: 360-degree high-visibility coverage

Design & Safety Features

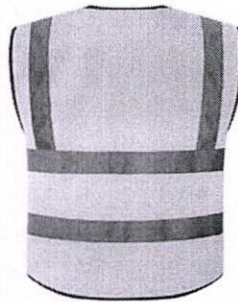
- ❖ Reflective Stripes: 2-inch wide reflective bands at front and back
- ❖ Pockets: 4 functional utility pockets
- ❖ Color: High-visibility safety color (standard fluorescent)
- ❖ Comfort: Breathable and suitable for long working hours
- ❖ Durability: Tear-resistant fabric for regular outdoor use

Application

- ❖ Road and traffic safety
- ❖ Construction sites
- ❖ Telecom and utility field work
- ❖ Night work and low-light outdoor activities



Front



Back

Sample Image



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Tashi InfoComm Private Limited

S/L 27 S/L 18: Hammer

- ❖ Product Type: Claw hammer
- ❖ Head Material: Precision-forged steel
- ❖ Handle Material: Fiberglass (shock-absorbing)
- ❖ Head Weight: 340 grams
- ❖ Claw Type: Curved claw design

Design & Performance Features

- ❖ Curved claw engineered for maximum leverage and easy nail removal without surface damage
- ❖ Shock-absorbing fiberglass handle reduces vibration and hand fatigue during prolonged use
- ❖ Balanced steel head for accurate striking and controlled nail driving
- ❖ Ergonomic handle with non-slip textured grip for secure handling
- ❖ Reinforced steel-to-fiberglass joint prevents loosening over long-term use
- ❖ Suitable for heavy-duty carpentry and repair applications

Application

- ❖ Carpentry and woodworking
- ❖ Construction and site work
- ❖ Household repairs
- ❖ General maintenance and installation tasks



Sample Image



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<https://www.tashicell.com>

FlexScan® FS200 OTDR



FlexScan® FS200 pocket-sized series of OTDRs offer fast, accurate, singlemode fiber characterization and fault location with Smart Auto® and FleXpress™ test modes. Weighing in at less than a pound (0.4kg) FlexScan OTDRs are designed to deliver high-performance testing on LAN structured cabling and data center networks. Using AFL's SmartAuto™ multi-pulse acquisition, users are able to detect short patchcords hidden in data center cross connects and faulty connectors causing system failures.

FEATURES/BENEFITS

- High-resolution dual wavelength singlemode testing
- Easy-to-understand LinkMap® results with pass/fail indications
- FleXpress™ mode completes OTDR test in <5 seconds
- 12F MPO testing with optional Multi Fiber Switch (MFS)
- Integrated VFI with optional source and power meter
- Large 4.3 inch, bright indoor/outdoor touchscreen
- Bluetooth, WiFi and USB communications
- Rugged & pocket sized; weighs less than 1 pound (0.4kg)

APPLICATIONS

- High-resolution singlemode network verification using OTDR
- Fast, accurate singlemode fiber fault location using OTDR and VFL
- Singlemode loss testing using optional integrated source and power meter

SPECIFICATIONS

OTDR	MODEL: FS200-100
Emitter Type	Laser
Safety Class	Class I
Fiber Type	Single-mode
Wavelengths (nm)	1310/1550
Center λ Tolerance	± 20 nm (CW mode)
Dynamic Range (dB)	32/30
Event Dead Zone (m)	0.8
Atten. Dead Zone (m)	3.6
PON Dead Zone (m)	N/A
Pulse Widths	3, 5, 10, 20, 30, 50, 100, 200, 300, 500 ns; 1, 2, 3, 10, 20 μ s
Range Settings	250 m to 240 km
Data Points	Up to 300,000 (Expert mode .SOR file)
Data Spacing	5 cm to 16 m
Group Index of Refraction	1.3000 to 1.7000
Distance Uncertainty (m)	$\pm(1 + 0.003\% \times \text{distance} + \text{data point spacing})$
Linearity (dB/dB)	± 0.05
Trace File Format	Telcordia SR-4731 Issue 2
Trace File Storage Medium	4 GB internal memory (>1000 traces); External USB memory stick
Data Transfer to PC	USB cable or Bluetooth® or WiFi (option)
Standard OTDR Modes	SmartAuto, Expert, Real Time
Display Modes	LinkMap Summary, LinkMap Events, Trace
Flexpress Fast Test	No
Real-time Refresh Rate	Up to 4 Hz
Live Fiber Protection	No OTDR damage with input power $\leq +3$ dBm for wavelength(s) in range 1260 to 1675 nm
Live Fiber Detection	Reports live fiber with input signal ≥ -35 dBm for wavelength(s) in range 1260 to 1675 nm

OTDR	MODEL: FS200-300
Emitter Type	Laser
Safety Class	Class I
Fiber Type	Single-mode
Wavelengths (nm)	1310/1550
Center λ Tolerance	± 20 nm (CW mode)
Dynamic Range (dB)	37/36
Event Dead Zone (m)	0.8
Atten. Dead Zone (m)	3.5
PON Dead Zone (m)	20
Pulse Widths	3, 5, 10, 20, 30, 50, 100, 200, 300, 500 ns; 1, 2, 3, 10, 20 μ s
Range Settings	250 m to 240 km
Data Points	Up to 300,000 (Expert mode .SOR file)
Data Spacing	5 cm to 16 m
Group Index of Refraction	1.3000 to 1.7000
Distance Uncertainty (m)	$\pm(1 + 0.003\% \times \text{distance} + \text{data point spacing})$
Linearity (dB/dB)	± 0.05
Trace File Format	Telcordia SR-4731 Issue 2
Trace File Storage Medium	4 GB internal memory (>1000 traces); External USB memory stick
Data Transfer to PC	USB cable or Bluetooth® or WiFi (option)
Standard OTDR Modes	SmartAuto, Expert, Real Time
Display Modes	LinkMap Summary, LinkMap Events, Trace
Flexpress Fast Test	Yes
Real-time Refresh Rate	Up to 4 Hz
Live Fiber Protection	No OTDR damage with input power $\leq +3$ dBm for wavelength(s) in range 1260 to 1675 nm
Live Fiber Detection	Reports live fiber with input signal ≥ -35 dBm for wavelength(s) in range 1260 to 1675 nm

VISUAL FAULT IDENTIFIER (VFI)

Emitter Type	Visible red laser, 650 \pm 20 nm
Safety Class	Class II
Output Power (nominal)	0.8 mW into single-mode fiber
Modes	CW, 2 Hz flashing

OPTICAL LASER SOURCE - OLS (OPTIONAL)

Emitter Type	Laser
Safety Class	Class I
Fiber Type	Singlemode
Wavelengths (nm)	1310/1550
Center λ Tolerance	\pm 20 nm (CW mode)
Spectral Width (FWHM)	5 nm (maximum)
Internal Modulation	270 Hz, 330 Hz, 1 kHz, 2 kHz, CW, Wave ID
Wave ID	Compatible with AFL OPM/OLS
Output Power Stability	$\leq \pm 0.1$ dB (15 minutes); $\leq \pm 0.15$ dB (8 hours)
Output Power	-3 dBm \pm 1.5 dB

OPTICAL POWER METER -OPM (OPTIONAL)

Calibrated Wavelengths	1310, 1490, 1550, 1625, 1650 nm
Detector Type	InGaAs, 1 mm diameter
Measurement Range	+23 to -50 dBm
Tone Detect Range	+3 to -35 dBm
Wavelength ID Range	+3 to -35 dBm
Accuracy	± 0.25 dB
Resolution	0.01 dB
Measurement Units	dB, dBm or Watts (nW, μ W, mW)

GENERAL

Size (in boot)	86 x 160 x 43 mm
Weight	0.4 kg
Operational Temperature	-10 $^{\circ}$ C to +50 $^{\circ}$ C, 0 to 95 % RH (non-condensing)
Storage Temperature	-40 $^{\circ}$ C to +70 $^{\circ}$ C, 0 to 95 % RH (non-condensing)
Power	Rechargeable Li-Pol or AC adapter
Battery Life	>12 hours, Telcordia test conditions
Display	Color touchscreen 4.3 in LCD, 480 x 272, backlit
USB Ports	1 host; 1 micro-USB function
Bluetooth (optional)	Compatible with Windows PC, Android
WiFi (optional)	IEEE 802.11 / WLAN

ADDITIONAL INFORMATION

FlexScan automates test setup, shortens test time and simplifies results interpretation, improving efficiency and reducing the cost of test. Featuring a large 4.3-inch indoor/outdoor touchscreen display providing excellent visibility results can be viewed in both AFL's icon-based LinkMap® view and OTDR trace view, allowing users to quickly and easily locate faults and identify necessary corrective action supported by PASS & FAIL indicators. FlexScan comes integrated with a visual fault identifier (VFI) with options to add an optical power meter (OPM) and optical light source (OLS).

Flexpress™ high speed test mode completes dual-wavelength tests in <5 seconds - 10 x faster than conventional OTDRs! For multi-fiber testing, Flexpress mode automatically controls 12-fiber MPO switch to further reduce multi-fiber test time.

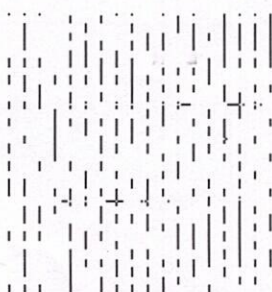
ORDERING INFORMATION

PART NUMBER	DESCRIPTION
FS200-100-BAS-P1-W1	FlexScan® FS200 1310/1550nm OTDR with OPM/OLS/VFI
FS200-300-BAS-P1-W1	FlexScan® FS200 1310/1550nm OTDR with OPM/OLS/VFI & Flexpress™

All kits include FlexScan with AC charger, battery, carry strap, SC/2.5 mm connector adapters, TRM® 2.0, quick reference guide, USB cable and carry case.

FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.fujikura-telecom.com/product/flexscan-fs200-otdr>
- Fujikura reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of March 19, 2020



SCAN QR FOR PRODUCT PAGE

FUJIKURA EUROPE

C51 Barwell Business Park
Leatherhead Road, Chessington
Surrey, KT9 2NY
United Kingdom



High Definition Core Aligning
fusion splicer

TYPE-82C+

Powered by



NanoTune™
Enhanced splice experience



SumiCloud™

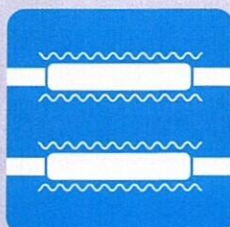


Dependable

Splicing 5s/Heating 8s/Splice loss 0.01dB



Preventive
Maintenance



Dual speed
high heating



Proven field
toughness



Long life
battery

Specifications

Items		TYPE-82C+
Optical fiber requirements	Material	Silica glass
	Fiber count / Profile types	Single / SMF(G.652), MMF(G.651), DSF(G.653), NZDSF(G.655), BIF(G.657), CSF(G.654), EDF
	Fiber diameter	Cladding diameter : 80 - 150µm, Coating diameter : 100 - 1,000µm
	Cleave length	5 - 16mm with coating clamp
Standard performance	Splice loss (typical)**	SMF : 0.01dB, MMF : 0.01dB, DSF : 0.03dB, NZDSF : 0.03dB
	Return loss (typical)	60dB or greater
	Splice time (typical)	5sec(SM G652 Quick Mode), 7sec(SM G652 Std. Mode), 7sec(Auto Mode)
	Heating time (typical)	8sec (FPS-61-2.6 sleeve, S60mm 0.25 Quick Mode)
	Splice & Heat cycles per battery full charge*2	Approx. 320 (BU-16)
	Fiber view & magnification	2 CMOS cameras observation, 380X (zoom : 760X) for X or Y single axis view, 270X for both X & Y dual axis view
	Proof test	1.96 - 2.09N
Programs	Applicable protection sleeve	60mm, 40mm & Sumitomo Nano sleeves
	Splice programs	Max. 300, 74 are pre-optimised, 226 editable by user
	Heating programs	Max. 100, 27 are pre-optimised, 73 editable by user
Functions	Splice image capture / Splice data storage	200 images / 10,000 splice data (internal memory only) 50,200/20,000 (with 8GB SD card)
	Attenuation splicing	0.1dB to 15dB in 0.1dB increments
	Universal clamps	Provided, 200µm, 900µm tight & loose buffer fiber
	Reversible coating clamps	Provided
	Dual automatic independent ovens	Provided
	User-selectable oven clamp operation	Provided
	Onboard user training video	Provided
	Automatic fiber identification	SMF / MMF / DSF / NZDSF / BIF / Other
	Automatic arc calibration	Automatically compensates for environmental condition changes
	Display of remaining Splice & Heat cycles	Provided (Battery mode)
Size / Weight	Wireless LAN connectivity (Option)**3	Provided
	Size	128(W) x 154(D) x 130(H) mm (without anti-shock rubber)
	Weight	1.9kg (without Battery) / 2.2kg (with Battery BU-16)
	Monitor	5.0" touch screen color LCD display
Terminals	DC output	DC 12V (for JR-6+)
	USB port	USB 2.0 (mini-B type)
	Storage media	SD / SDHC memory card MAX32GB
Power supply	AC input	AC 100 - 240V, 50/60Hz (ADC-16)
	DC input	DC 10 - 15V
	Battery pack	Li-ion 10.8V, 6,400mAh (BU-16)
Operating condition		Altitude : 0 - 6,000m, Temperature : -10 - +50°C, Humidity : 0 - 95% (non-condensing), Wind velocity : up to 15m/sec
Storage condition		Temperature : -40 - +80°C, Humidity : 0 - 95% (non-condensing), Battery : -20 - +30°C (long term)
Electrode life **4		6,000 arc discharges
Software updates		Internet
Data management		Can be stored, edited and analyzed by dedicated PC software

*1 : Average value of the final inspection in room temperature with Sumitomo identical fiber. Measured by cut-back method relevant to ITU-T and IEC standards.

*2 : Splice & Heat cycles may vary depending on the battery status and the operating environment.

*3 : Wireless LAN connectivity is not available in all countries. For more details, please refer to our Web site. <https://global-sei.com/sumitomo-electric-splicers/asia/products/sumicloud/>

*4 : Achieved in lab condition. Electrode life may vary depending on the operating environment.

Environmental Durability*

	Test details
Shock resistance	Drop from 76cm on 5 faces (excluding top face)
Impact resistance	Equivalent to IK07 on LCD monitor (Protected against 2J impact, it is equivalent to a 500g force from 40cm)
Water resistance	Equivalent to IPx2 (Operates normally after being exposed to water dripping at 3mm/min. for at least 2.5 min on each of 4 surfaces tilted at 15°)
Dust resistance	Equivalent to IP5X (Operates normally after 8 hours in a test chamber with circulating dust particles smaller than 75 µm)

*Splicer operation after shock, impact, water or dust tests, was confirmed under battery power, by Sumitomo.
Does not guarantee the product will not be damaged by these conditions.

Basic Accessories

Part name	Part No.	Qty.
AC adapter	ADC-16 series	1 pc
AC power cord	PC-AC<X>*	1 pc
Cooling tray	—	1 pc
Spare electrode	ER-10	1 pair
Quick reference guide	—	1 pc
Carrying case with worktable	CC-82	1 pc
Hand strap	—	1 pc
USB cable	—	1 pc

*X=2(USA), 3(EU), 4(JP), 5(UK/HK), 8(CHINA), 9(INDIA), 10(BRAZIL)
Items listed in Basic Accessories are always included with the splicer body. Overall kit content may vary regionally. Please check with your local authorised reseller to confirm kit content in your region.



Carrying case with worktable
CC-82



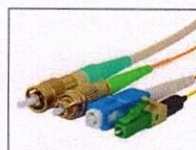
Handy cleaver
FC-8R series



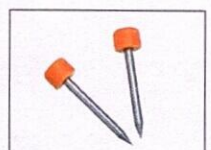
Table-top cleaver
FC-6 / FC-6R series



Jacket remover
JR-M03



Compatible with
Lynx-CustomFit™
Splice-on Connector



Electrode
ER-10

Accessories

	Part name	Part No.	Remarks
Accessories for Splicer	SumiCloud Card	WLS-D series	For SumiCloud™ connection
	Fiber holder	FHS-025	For φ0.25mm single fiber
		FHS-09	For φ0.9mm single fiber
		FHS-025/LB5	For 0.9mm loose buffered single fiber
		FHD-1	For drop/indoor cable (Cable size : typical 2.0 x 3.1 or 2.6mm)
		ISM-ST	For indoor cable (Cable size : typical 1.6 x 2.0mm)
	Battery pack	FHC-3	For 3mm cable
	Battery charger	BU-16	Li-ion 6,400mAh
	Car battery cable	BC-16	—
	V-groove cleaning brush	PCV-16	For car battery operation (cigarette socket type)
Accessories	Electrode	VGT-2	Brush for cleaning V-groove
	Handheld fiber cleaver	ER-10	—
		FC-8R-FC	Automatic blade rotation cleaver with cleave counter
		FC-8R-F	Automatic blade rotation cleaver
	Fiber cleaver	FC-6S-C	Table-top high precision cleaver
		FC-6RS-C	Automatic blade rotation cleaver
	Jacket remover	JR-M03	Jacket remover for single fiber
	Loose tube cutter	LTC-01	—
	Alcohol dispenser	HR-3	—
	Fiber protection sleeve	FPS-1	60mm, diameter after shrink approx. φ3.2mm
		FPS-40	40mm, diameter after shrink approx. φ3.2mm
		FPS-61-2.6	61mm, diameter after shrink approx. φ2.6mm

 Sumitomo Electric Industries, Ltd.

Please contact us Mail to : fs-inquiry-sml@list.sei.jp

■ Specifications are subject to change without prior notice.
■ The fusion splicer and related accessories are not IT network equipments.

Designed in Japan
082C+01-ASIA-ENO02 (2022.11)