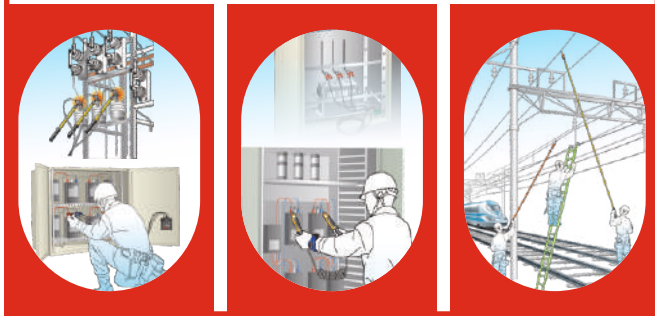


SAFETY DIVISION



HASEGAWA®

Voltage Sensing tools

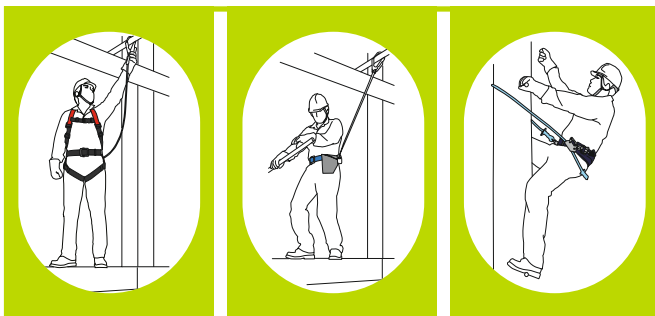


NAGAKI

Since 1946

PULL | GRIP | MEASURE | FASTEN | PEEL

Professional Tools



SANKO INDUSTRIES CO.,LTD.

TITAN

Personal Fall Arrest Systems



CorDEX

Panel Imaging Solutions



KYORITSU KEW INDIA INSTRUMENTS PVT. LTD.

About us

SAFETY DIVISION is being built with a singular Goal of building “A Society Free of Electrical Accidents”.

Safety is paramount as YOU build INDIA’s Electrical Infrastructure and we are happy to play our role by providing the best of available technology. These products are already deployed Globally & have biggest Market Shares in Key Developed Markets like JAPAN & UK to name a few.



Hasegawa Electric Co., Ltd. was founded in 1925 and has been since engaged in development and production of safety equipment of electrical works such as Grounding Devices, Voltage Detectors and Phase Testers. They are proud of being a top maker in Japan of Voltage Detectors from ultra high voltage to low voltage and that their Grounding Devices of AC/DC are used in various scenes and appreciated by the users. Their products shall be kept improved to meet the market requirements: smaller with high efficiency and more stable in output performance by the circuit integration.



Since its founding in 1946 NAGAKI continues to contribute to society by creating superior products that are unprecedented. Nagaki Seiki, as a manufacturer specializes in safety tools for electrical and facility construction.

They have single purpose of bringing absolute security to professionals working in the field. Solid and robust tools that provide improved convenience, durability and work efficiency without any waste. Their attention to detail and functional aesthetics is their pride.



Since its founding in 1948, SANKO INDUSTRIES has long been dedicated to safety industry. Being a proud manufacturer of safety products that protect human life, they continue to manufacture the fall protective equipment to gain trust of the customers by meeting their demands and needs.

They aim for 100% safety.

CorDEX

At CorDEX they are leaders in the innovation and manufacture of instruments used every day in the world’s most challenging work environments. All of their instruments are specifically created for safe use in hazardous environments, which make their authority in Intrinsically Safe Instrumentation.

Their products may be Intrinsically Safe but you won’t see a trade-off in terms of usability or features. Their products, such as their range of IR Windows, have all of the usual advanced functionality you would expect from an industrial instrument.

Voltage Detectors as per working voltages

■ For Low Voltage to Medium Voltage

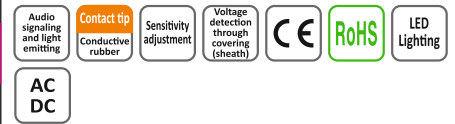
Model	Feature	Voltage					
		0V	50V	100V	600V	7000V	20000V
HST-610					AC50 ~ 600V		
HTE-610L	With LED Lighting				AC50 ~ 600V		
HT-680D/DS					AC50 ~ 600V		
					DC50 ~ 600V		
HT-680DB/DBS					AC50 ~ 600V		
					DC12 ~ 600V		
HT-670	Voltage discrimination function of 100 V-200V (*When option is used)				AC50 ~ 600V		
					DC50 ~ 600V		
HSF-7					AC80 ~ 7000V		
HSE-7G					AC60 ~ 7000V		
HSE-7T1					AC80 ~ 7000V		
HSS-25B1	Telescopic type				AC80 ~ 25,000V		
HSG-6	Telescopic type				AC80 ~ 7,000V		
HSN-6A	Telescopic type				AC100 ~ 7,000V	~ AC10.5KV*	* Applied only at withstand voltage test
					DC50 ~ 7000V	~ DC21KV*	
HST-1.5N					AC600 ~ 7,000V		
					DC600 ~ 7000V		



HT680



HEV-750D



■ For Medium Voltage to Extra High Voltage

Model	Feature	Voltage						
		3kV	6kV	22kV	66kV	154kV	275kV	500kV
HST-30	Telescopic type		AC3kV ~ 34.5kV					
HST-70	Telescopic type			AC20kV ~ 80.5kV				
HST-170	Telescopic type				AC60kV ~ 195.5kV			
HST-250 - 500	Telescopic type					AC150kV ~ 287.5kV		
WM-22	Pinwheel type/ Telescopic type		AC6.6kV ~ 22kV					
WM-33	Pinwheel type/ Telescopic type		AC6.6kV ~ 33kV					
WM-77A/B/C	Pinwheel type/ Telescopic type			AC11kV ~ 77kV				
WM-154A/B	Pinwheel type/ Telescopic type				AC11kV ~ 154kV			
WM-275	Pinwheel type/ Telescopic type					AC33kV ~ 275kV		
HS-500							AC250kV ~ 550kV	
HST-20N		AC3kV ~ 25kV	DC3kV ~ 25kV					
HS-90N			AC6kV ~ 90kV	DC6kV ~ 90kV				
HWB Series	Non Contact Type				AC6kV ~ 500kV			
HST Series	Contact Type				AC6kV ~ 550kV			

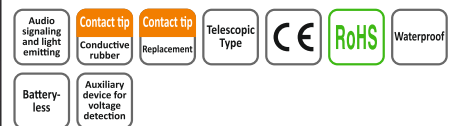


HSG-6



HLA-2G

Voltage Detector Checker (1200 VAC)



■ For Railway (for trolley wire)

Model	Feature	Voltage			
		0V	600V	7000V	20000V
HVC-1.5N3	Digital display Function for checking earth wire disconnection		DC1500V *Measurement range is 0 to 1999 V		
HVC-750N3	Digital display Function for checking earth wire disconnection		DC600/750V *Measurement range is 0 to 999 V		
HS-1.5NJ			DC600 ~ 7000V	AC6600V	
HS-1.5NR	Residual electric charge checking Function Standby display function		DC1000 ~ 7000V	AC6600V	

Model	Feature	Voltage					
		6kV	22kV	66kV	154kV	275kV	500kV
HST-W80JS	Telescopic type/ Standby display function			AC20kV ~ 80.5kV			



HXR-25

■ Hot Line Proximity Alarm



HXW-6/6W

HXW-6: AC6.6kV

HXW-6W: AC6kV ~ 90kV



HX-6

HX6/6S: AC6.6kV



HX-6S

Phase Testers

HPL-200

AC 80~600V (Three Phase)



HP-Series

AC 3.3kV~33kV



HPI-A6/A6F/S6/S11/S20

AC 3kV~7kV

AC 6.6kV

AC 22kV~34.5kV



Model	HPI-A6	HPI-A6F	HPI-S6	HPI-S11	HPI-S20
Working voltage range	3kV~7kV	3.3kV~6.6kV * Voltage detection terminal : 6.6kV/22kV/33kV	6.6kV	11kV	22kV~34.5kV
Target	For Cubicles	For underground cubicle	For overhead lines		

Discharge Sticks

HRD-27

HRD-27S

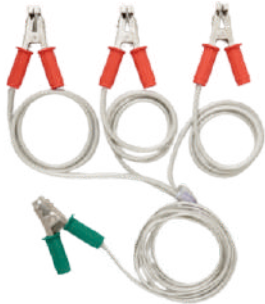
DC 27kV (Maximum discharge voltage)



Model	HRD27 / 27S
Discharge capacity	1μF max
Discharge time	5 seconds or less (50 V or less at 27 kV DC, 1μF)
Discharge resistance	600 kΩ ± 10%
Operation stop voltage	40 V DC ± 20%
Operating temperature range	-10°C - +40°C - However, there shall be no condensation inside
Light emitting display	Checking is possible in brightness of 8,000 Lx (HRD-27S type only)
Sound emission indication	50 dB or higher at 2 m away (HRD-27S type only)

Grounding Hook

Type:H Grounding Hook



- **Applicable voltage:** AC6.6kV
- Universal type for cubicles
- **Tip metal fitting:** MA115-AN
- **Length of insulating stick:** Neo pipe (Φ25×35mm) with rubber clip
- **Grounding wire:** 14mm²×0.7m×2wires (with red triangular flag) 8mm²×7m×1wire
- **Grounding metal fitting:** Clip
- **Weight:** 3.4kg
- **Accessory:** Bag for housing

Type:C Grounding Hook



- **Applicable voltage:** AC6.6kV
- Universal type for cubicles
- **Tip metal fitting:** MA115-AN
- **Length of insulating stick:** Neo pipe (Φ25×35mm) with rubber clip
- **Grounding wire:** 14mm²×0.7m×2wires (with red triangular flag) 8mm²×7m×1wire
- **Grounding metal fitting:** Clip
- **Weight:** 3.4kg
- **Accessory:** Bag for housing

Type:F Grounding Hook



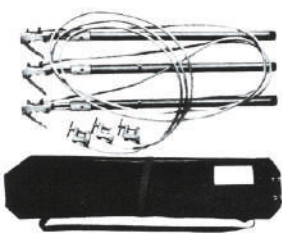
- **Applicable voltage:** 6.6kV - 22kV
- Universal type for cubicles
- **Tip metal fitting:** MA115-AH
- **Length of insulating stick:** Neo pipe (Φ25×335mm) with rubber clip
- **Grounding wire:** 22mm²×1.5m×2wire (with red triangular flag) 8mm²×15m×1wire
- **Grounding metal fitting:** SA107-B
- **Hammer-in type grounding bar:** Φ10 steel bar
- **Weight:** 5.6kg
- **Accessory:** Bag for housing

Type:S Grounding Hook



- **Applicable voltage:** AC6.6kV~22kV
- For round bus lines
- **Tip metal fitting:** MA122-A
- **Length of insulating stick:** Neo pipe (Φ25×337mm) with rubber clip
- **Grounding wire:** 14mm²×0.7m×2wires (with red triangular flag) 8mm²×15m×1wire
- **Grounding metal fitting:** SA107-B
- **Hammer-in type grounding bar:** Φ10 steel bar
- **Weight:** 3.4kg
- **Accessory:** Bag for housing

Type:Z1/Z2/Z3 Grounding Hook



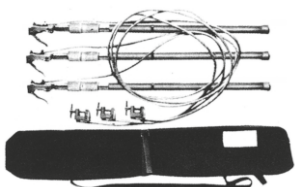
- **Applicable voltage:** Z1: 275kV / Z2: 154kV / Z3: 77kV [Target range varies depending on model]
- Operating rod of button type telescopic model

Type:ZB2 / ZB3 Grounding Hook



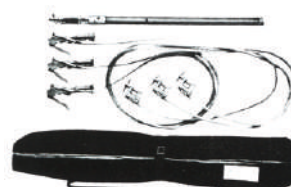
- **Applicable voltage:** Zb2: 154kV / Zb3: 77kV [Target range varies depending on model]
- Operating rod of button type telescopic model

Type:Y2 / Y3 Grounding Hook



- **Applicable voltage:** Y2: 154kV / Y3: 77kV [Target range varies depending on model]
- Operating rod of compressed tightening-type telescopic model for power transmission line.

Type:YB2 / YB3 Grounding Hook



- **Applicable voltage:** Yb2: 154kV / Yb3: 77kV [Target range varies depending on model]
- Operating rod of compressed tightening-type telescopic model for power transmission line.

Ratchet Pullers



BELT TYPE

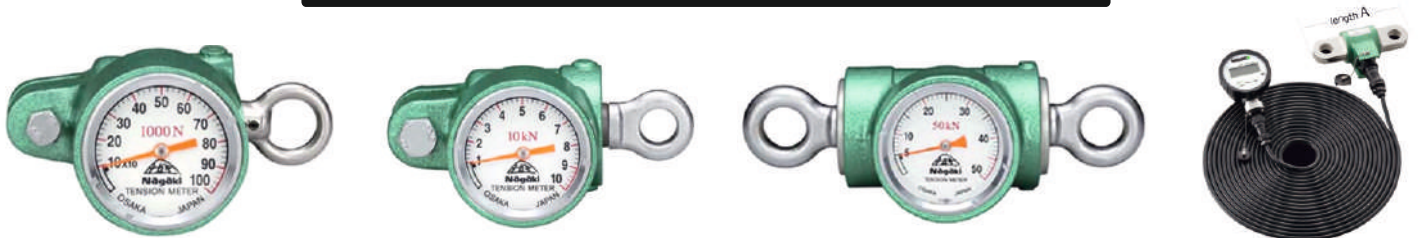
Model	500	1000	1500	P-1500-C	P-1500-EX	3000	4000	6000	N-1000	N-1000P	N-1500	N-1500P	N-1500-EX	Ricky-2	Ricky-3
CAP.	0.5t	1.0t	1.5t	1.5t	1.5t	3.0t	4.0t	6.0t	1.0t	1.0t	1.5t	1.5t	1.5t	3/4t	1.5t
WIRE DIA.	5.0m/m	5.0m/m	6.3m/m	5.0m/m	5.0m/m	5.0m/m	5.0m/m	5.0m/m	33m/m	33m/m	40m/m	40m/m	40m/m	5.0m/m	5.0m/m
MIN.L	360m/m	410m/m	450m/m	500m/m	500m/m	480m/m	560m/m	650m/m	420m/m	440m/m	450m/m	470m/m	500m/m	300m/m	350m/m
MAX.L	1370m/m	1210m/m	1220m/m	3500m/m	3500m/m	2000m/m	2180m/m	2250m/m	1270m/m	1940m/m	1300m/m	1970m/m	3500m/m	1800m/m	1850m/m
LEVER L.	330m/m	330m/m	430m/m	430m/m	430m/m	430m/m	430m/m	430m/m	400m/m	400m/m	450m/m	460m/m	460m/m	230m/m	230m/m
WT.	2.4kg	3.1kg	4.3kg	4.1kg	5.0kg	8.0kg	12kg	19kg	3.2kg	3.3kg	4.5kg	4.6kg	5.0kg	4.0kg	5.0kg

Wire Grips



Model	Mini	SD	1TON-L	2TON-W	3TON	6TON	10TON	Hot Grip (S/M/L)	ABC	AL-2TON	AL-MIDDLE	AL-LARGE	AL-4TON	AL-6TON	AL-10TON
Safe Working Load	0.5t	1t	2.0t	2.0t	3.0t	6.0t	10t	2t	2.0t	2t	2t	2t	4t	6T	10t
MIN. MAX. ROD DIA.(mm)	1-10	2.6-15	4-22	5-16	8-22	13-28	18-32	5-16/5-25/16-32	4x35-4x95	5-16	5-25	16-32	20-35	28-40	32-46
WT.	0.3kg	0.7kg	1.4kg	1.8kg	3.12kg	5.2kg	10kg	1.7/2/2kg	3.4kg	1.7kg	2kg	2.2kg	3.7kg	8kg	14kg

TENSION METERS



Model	AS-1	AS-3	AS-5	AS-10	AS-20	AS-30	AS-50	AS-100	C-5
CAP.	100kg	300kg	500kg	1t	2t	3t	5t	10t	5t
WT.	0.7kg	0.7kg	0.7kg	0.8kg	1.2kg	2.3kg	3.5kg	6.5kg	6.5kg
LENGTH	130mm	110mm	110mm	135mm	135mm	150mm	260mm	360mm	165mm
Display Dia.	65mm	65mm	65mm	65mm	65mm	80mm	95mm	100mm	80mm

Ratchet Wrench



4 SIZES IN 1 Insulated Handle

TYPE	APPLICABLE SIZE B(mm)				WT. (kg)	LENGTH (mm)
	10	13	17	19		
B-3	10	13	17	19	0.6	220
BS-3	17	19	22	24	0.7	250
BY-3	17	19	24	30	0.9	270

Cable Peeler / Cable Stripper



OPEN



OPEN

Cable Peeler

Various sizes are available!

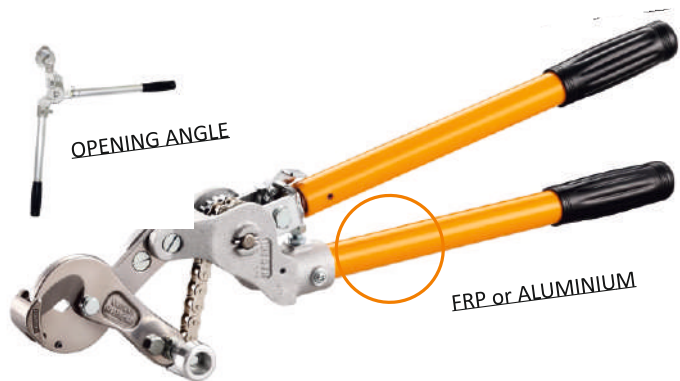
- As this tool rotates, it strips spirally.
- It can correspond to two different diameters of electric wires with one unit.
- We would be glad to develop the size you need.

Cable Stripper

Various sizes are available!

- Easily peel off the electric wire covering by one rotation.
- We would be glad to develop the size you need.
- Using a lot with the indirect hot wire construction in Japan.

Cable Cutter



OPENING ANGLE

FRP or ALUMINIUM

AC SR	HAL	CU	ST	LENGTH	JAW OPENING	WEIGHT	
						FRP	AL
160mm ²	400mm ²	150mm ²	55mm ²	600mm	32 mm	2.6kg	2.5kg



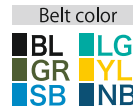
Lanyard for Full Body Harness



Model No. **SLN505-SB**

RETRACTABLE SINGLE LANYARD

- Body Belt: 50mm W x 1200mm L
- Lanyard: tetoron belt with aramid core webbing 17mm W x 1,650mm L
- Equipped with shock absorber
- Equipped with lock function
- Weight: approx. 1,120g



Model No. **SLN505-RW-SB**

RETRACTABLE DOUBLE LANYARD

- Body Belt: 50mm w x 1200mm L
- Lanyard: tetoron belt with aramid core webbing, main lanyard 17mm W x 1,650mm L
- Equipped with shock absorber sub lanyard 17mm W x 1,150mm L
- Equipped with lock Function
- Weight: approx. 1,750g



Model No. **KLN50-SB**

ROPE SINGLE LANYARD

- Body Belt: 50mm w x 1200mm L
- Lanyard 16Ø 3 strand nylon rope length 2100mm
- Equipped with shock absorber
- Weight: approx. 870g

Retractable Fall Arrester



Model: (H. Dimension)

- MM-4H: 168H x 122W x 65Thick.
- MY-6H: 185H x 148W x 67Thick.
- MY-6HR: 185H x 148W x 67Thick.
- M-12: 270H x 206W x 85Thick.
- M-15: 270H x 206W x 85Thick.

MY-6H

Accessories: **C** **D**
M-12 M-15 MM-4H, MY-6H/6HY M-12, M-15



Model: (H. Dimension)

HD-12/15: 224H x 122W x 108Thick.

HD-12

Accessories: **B** **D**
HD12 HD15



Model: (H. Dimension)

- SB-10/12: 262H x 198W x 90Thick.
- SB-15: 287H x 218W x 90Thick.
- SB-20-25: 329H x 257W x 122Thick.

SB-10

Accessories: **A** **D**

Webbing Strap

MY BLOCK

- Maximum impact load under 8.0kN
- Falling distance under 2.0m
- Working load limit: 30~120kg
- Tetoron belt with aramid core (MM-4H, MY6H/6HR)
- Tetoron belt with polyarylate core (M12, M-15)
- Weight: approx. 1,220g to 4,400g

Webbing Strap

MY BLOCK

- Maximum impact load under 8.0kN
- Falling distance under 2.0m
- Working load limit: 30~130kg Lanyard
- 4.76mm in diameter of stainless steel
- Weight: approx. 5,900g to 6,200g

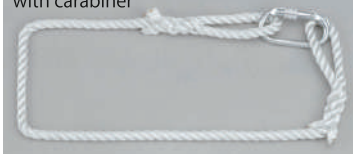
Galvanized Steel Cable

SAFETY BLOCK

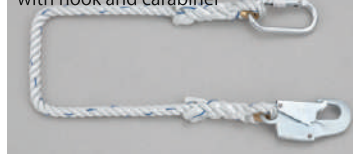
- Maximum impact load under 8.0kN
- Falling distance under 2.0m
- Working load limit: 30~100kg Lanyard
- 4mm in diameter of galvanized steel
- Weight: approx. 4,000g to 7,700g

Accessories for Installation and Hook Pulling

A Attachment rope type A equipped with carabiner



B Attachment rope type B equipped with hook and carabiner



C Attachment rope type C



D Tag line D



Rope Fall Arrester



Model No. **RC-ROPE CHUNK**

ROPE FALL ARRESTER

- 3 strand synthetic fibre rope from Ø16 to Ø20 in diameter
- Lanyard 10Ø 3 strand rope length 800mm Hook No. 27C
- Weight: approx. 760g



Model No. **TSR-24-10M**

VERTICAL LIFELINE

- Ø16 3 strand tetoron rope with red core hook no. 24ZN
- Length 10mm
- Weight: approx. 2,000g



Model No. **HT16TSR-24-10M**

HORIZONTAL LIFELINE

- Ø16 3 strand tetoron rope with red core hook no. 24ZN
- Length 10mm
- Weight: approx. 3,200g



Full Body Harness



Model No. EH3DN-10A
3D HARNESS

- High from-stability**
- Shoulder & back belt: width 45mm nylon with resin core
 - Equipped with shoulder cushion pad
 - Quick fasten buckle on the thing belt
 - Attached two hook holders
 - Weight: approx. 1030g



Model No. PACN-10A-SI
PANGAEA CANYON
Stylish Light weight

- Shoulder & thing belt: width 40mm polyester
- Equipped with comfortable shoulder cushion pad
- Quick fasten buckle on the thing belt
- Attached two hook holders
- Weight: approx. 1080g



Model No. KEHN-10B
KESEL
Deodorant harness

- Shoulder & thing belt: width 45mm polyester
- Attached two hook holders
- Weight: approx. 1110g



Model No. WKSN-10B-HB
WORKERS HARNESS
Full body harness with rope lanyard

- Shoulder & thing belt: width 45mm polyester
- Attached two hook holders
- Lanyard: 10Ø 3 strand nylon rope length, 1700mm with shock absorber
- Weight: approx. 1370g (including lanyard)



Model No. FD3DN-10A
3D HARNESS
Full body harness with front D-ring

- Shoulder & back belt: width 45mm nylon with resin core
- Equipped with shoulder cushion pad
- Quick fasten buckle on the thing belt
- Attached two hook holders
- Weight: approx. 1270g



Model No. WHC-10A-M-01-BL
KESEL
Full body harness with Linemen's safety belt

- Full body harness
- Shoulder belt and thing belt: width 45mm polyester
- Equipped with shoulder cushion pad quick fasten buckle on the thing belt attached two hook holders
- Total Weight: approx. 2900gm

Lanyard for Full Body Harness



Model No. HL-RW
ROPE DOUBLE LANYARD

- 10Ø 3 strand nylon rope length 1700mm
- Equipped with shock absorber
- Weight: approx. 1250g



Model No. HL-ERW
ELASTIC STRAP DOUBLE LANYARD

- Width 27mm polyester coating strap with rubber core
- Retracted Length: 1,100mm
- Stretched Length: 1,600mm
- Equipped with shock absorber
- Weight: approx. 1,130g



Model No. HL-M
RETRACTABLE SINGLE LANYARD

- Width 17mm tetoron belt with aramid core length 1,700mm
- Equipped with shock absorber
- Weight: approx. 920g



Model No. HL-MW
RETRACTABLE DOUBLE LANYARD

- Width 17mm tetoron belt with aramid core length 1,560mm
- Equipped with shock absorber
- Weight: approx. 1,740g

Full Body Harness



Model No. EGCS
EMERGENCY STRAPS

- 10Ø 3 strand nylon rope length 1700mm
- Equipped with shock absorber
- Weight: approx. 1250g



Model No. DLPG16-BL
LARGE COMFORTABLE SUPPORT BELT LIGHT WEIGHT

- Outer Belt: 45mm W x 1300mm L
- Inner Belt: 90mm W x 720mm L
- Lanyard 10Ø 3 strand nylon rope with red core length 2100mm
- Weight: approx. 1,880g



Model No. DL16-DB
LIGHT WEIGHT

- Outer Belt: 45mm w x 1300mm L
- Inner Belt: 100mm w x 720mm L
- Lanyard 10Ø 3 strand nylon rope with red core length 2100mm
- Weight: approx. 1,760g



Model No. 4E-GR
STANDARD LINEMEN'S SAFETY BELT

- Outer Belt: 45mm w x 1300mm L
- Inner Belt: 95mm w x 720mm L
- Lanyard 16Ø 3 strand nylon rope with red core length 2100mm
- Weight: approx. 2,260g

Lineman's Safety Belt

Digital and Thermal Imaging Camera



Digital and Thermal Imaging Camera

- ATEX/IECEx certified
- Adaptive thermal blending
- Powerful LED flash for low light imaging
- 5 megapixel digital camera with automatic motorized focus
- Manufactured from lightweight aircraft grade aluminium weighing in at only 380grams

DIGITHERM



Panel Mounted Thermal Imager



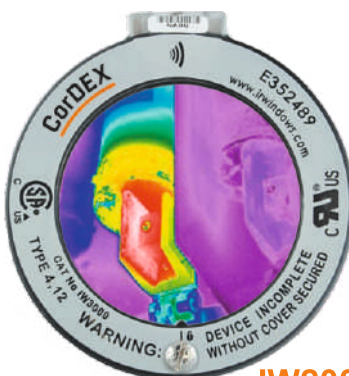
Panel Mounted Thermal Imager

- Measurement accuracy of $+2^{\circ}/2\%$ from -10 to $+120^{\circ}\text{C}$
- Thermal and visual cameras captures fully radiometric data every second
- Remote Monitoring PC/Mobile
- Network ready - PLC / SCADA
- Cost Effective
- Easy to install and removable while live
- Dual mode imaging; thermal and visual, plus LED flash.

MN4000



SMART Infrared Windows



SMART Infrared Windows

- Proven to withstand electric arcs
- Efficient 1/4 turn locking system
- Intelligent multiple identification system
- Embedded RFID chip
- Spring loaded impact cover
- Compatible with other SMART tools

IW2000/3000/4000



Our Other Division Products

Kyoritsu Products:

- Analogue Multimeters
- Digital Multimeters
- Analogue Clamp Meter
- Digital Clamp Meters
- Clamp Meter (flex)
- Digital DC mA Clamp Meter
- Analogue Insulation Tester
- Digital Insulation Tester
- Analogue Earth Tester
- Digital Earth Tester
- Earth Clamp
- Loop/PSC Tester
- RCD Testers
- Loggers
- Multifunction Testers
- Portable Appliance Testers
- Power Quality Analyser
- Phase Rotation Tester
- AC Clamp Adaptors
- Clamp Sensor



Quality and reliability is our tradition

KYORITSU



Bringing **POWER** to India's Electrical Installations

Power Division Products:

- Bench Power Analyzer
- Field Power Analyzer
- Online Power Analyzer



DEWETRON

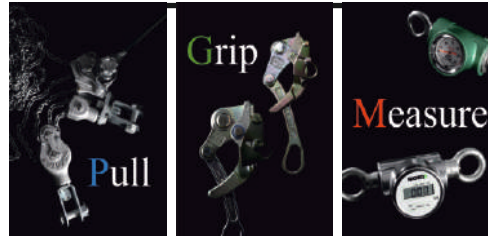


**PRECISION MULTI POWER ANALYZER
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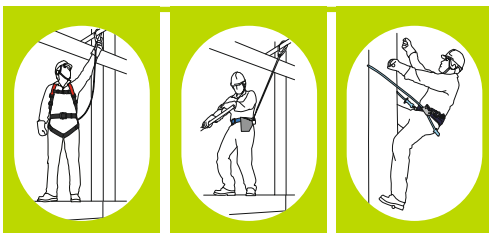
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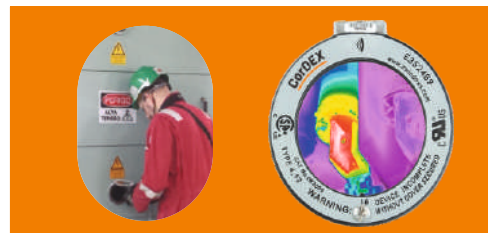
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