STUD WELDING TECHNOLOGY

UB LBS

STUD WELDING UNITS FOR CAPACITOR DISCHARGE STUD WELDING

UNI-BIS Group
Dystrybutor

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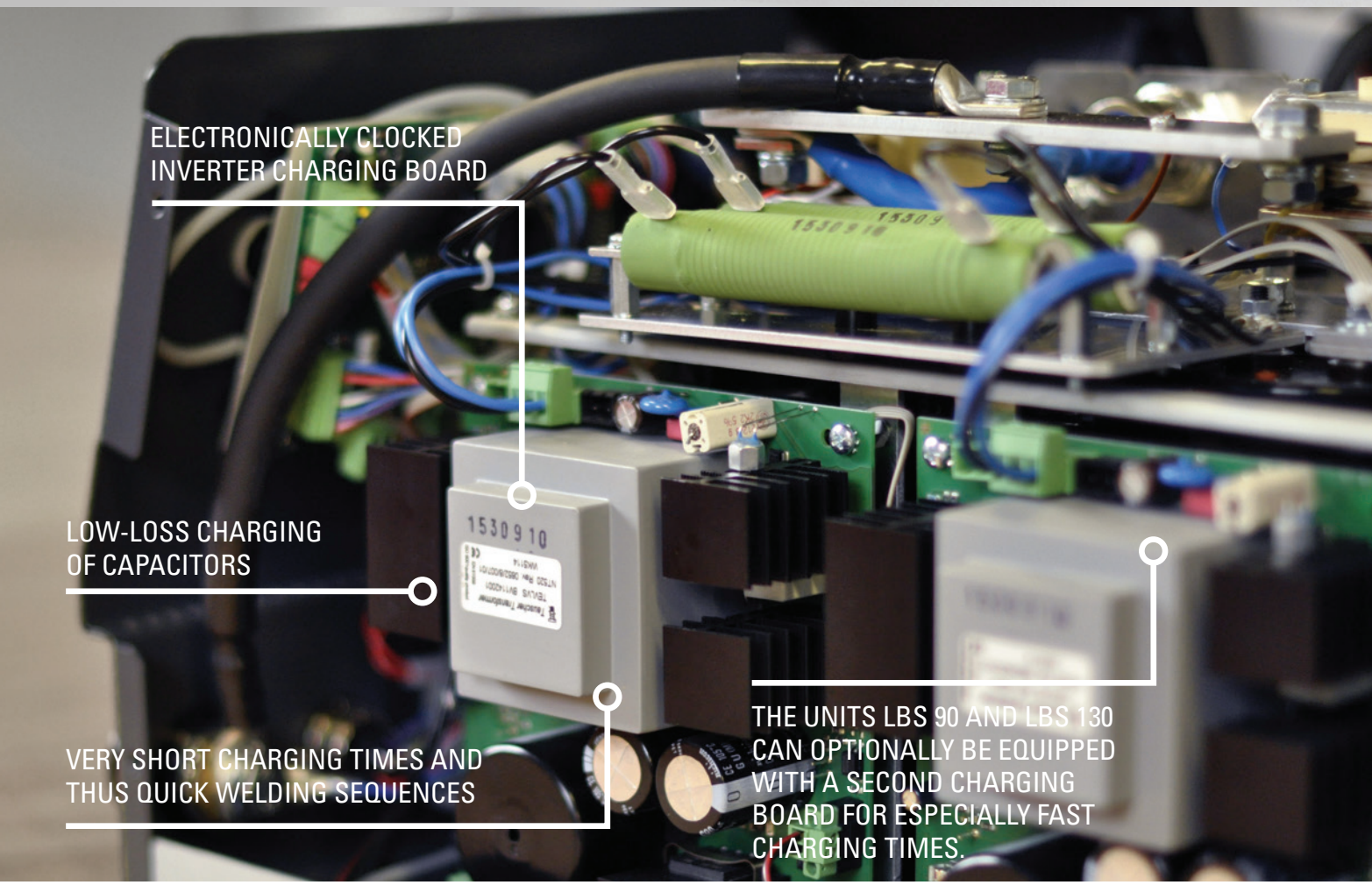

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TECHNICAL DATA AND CHARACTERISTICS

	UB LBS 44	UB LBS 75	UB LBS 80
Max. welding diameter (mm)	6	8	10
Capacitance (µF)	44000	66000	90000
Charging voltage (V)	60 - 200	60 - 200	60 - 200
Welding time (mS)	1 - 3	1 - 3	1 - 3
Electronically clocked inverter charging boards			
1 charging board	x	x	x
2 charging boards			
Operation			
Repeat cycle lock	x	x	x
Electronic function control	x	x	x
Self diagnosis system	x	x	x
Automatic function test	x	x	x
Automatic stud feeding			
Error diagnosis systems			
Excess temperature	x	x	x
Damage on welding/control cable	x	x	x
Damage on solenoid	x	x	x
Thermic controlled ventilator			x
Robust, powder-coated metal housing	x	x	x
Dimensions			
Width (mm)	195	195	195
Height (mm)	260	260	260
Length (mm)	400	400	400
Weight (kg)	10	11	13,5
Electric connection			
Mains supply (V) at 50/60 Hz	230 (115)	230 (115)	230 (115)
Mains fuse external	≥ 10 AT	≥ 10 AT	≥ 10 AT
Protection	IP 21	IP 21	IP 21
Control cable socket for welding guns	7-pin	7-pin	7-pin
Suitable welding guns			
PKM-1B	x	x	x
PHM-1A	x	x	x
PIM-1B	x	x	o
PKA-500			
PHA-500			

x – Standard, o – Option

STUD WELDING TECHNOLOGY

PKM-1B/PHM-1A /PIM-1B

STUD WELDING GUNS FOR CAPACITOR DISCHARGE STUD WELDING

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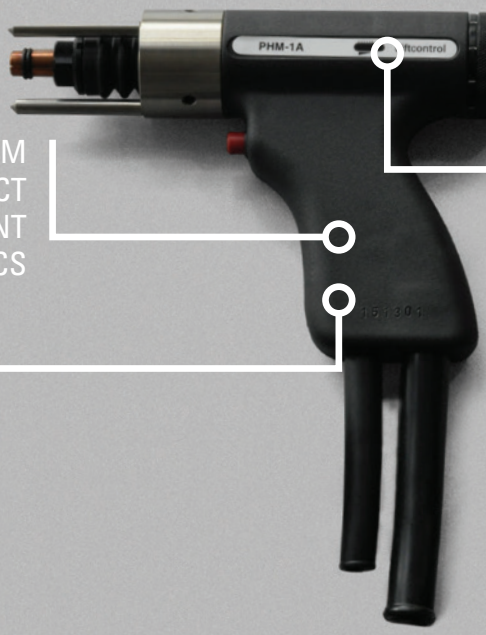


SPRING PRESSURE ADJUSTABLE

HOUSING FROM IMPACT RESISTANT PLASTICS

SPRING PRESSURE DISPLAY

SIMPLE HANDLING

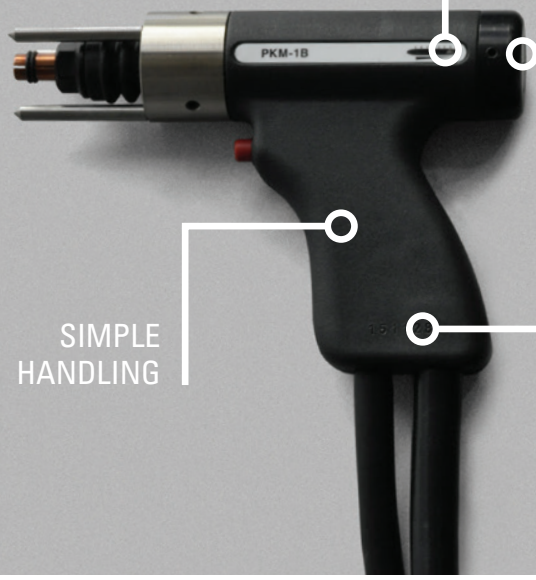
SPRING PRESSURE DISPLAY

SPRING PRESSURE ADJUSTABLE

SIMPLE HANDLING

HOUSING FROM IMPACT RESISTANT PLASTICS

LIFT DISPLAY



LIFT ADJUSTABLE

SIMPLE HANDLING

HOUSING FROM IMPACT RESISTANT PLASTICS

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TECHNICAL DATA AND CHARACTERISTICS

	PKM-1B	PHM-1A	PIM-1B
Welding method			
Capacitor discharge (contact)	x		x
Capacitor discharge (gap)		x	
Application range			
Threaded studs, internally threaded studs, non-threaded studs, insulation nails, earth plugs, double earth plugs	x	x	
Cupped head pins			x
Welding range (Ø mm)	2-10	2-10	2-4
Welding material			
Steel	x	x	x
Stainless steel	x	x	x
Aluminium		x	
Brass		x	
Spring pressure adjustable	x		x
Spring pressure display	x		x
Lift adjustable		x	
Lift display		x	
Piston guide			
Slide-bearing	x	x	x
Linear ball track	o	o	
Welding cable			
-cross-section (mm²)	25	25	25
-length (m)	6,5	3,5	10
Control cable plug	7-pin	7-pin	7-pin
Housing from impact resistant plastics	x	x	x
Protection of piston guidance from welding spatters	x	x	x
Dimensions			
Width (mm)	40	40	40
Height (mm)	130	130	130
Length (mm)	183	183	193
Weight without cable (kg)	0,7	0,7	0,9

x – Standard, o – Option

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