



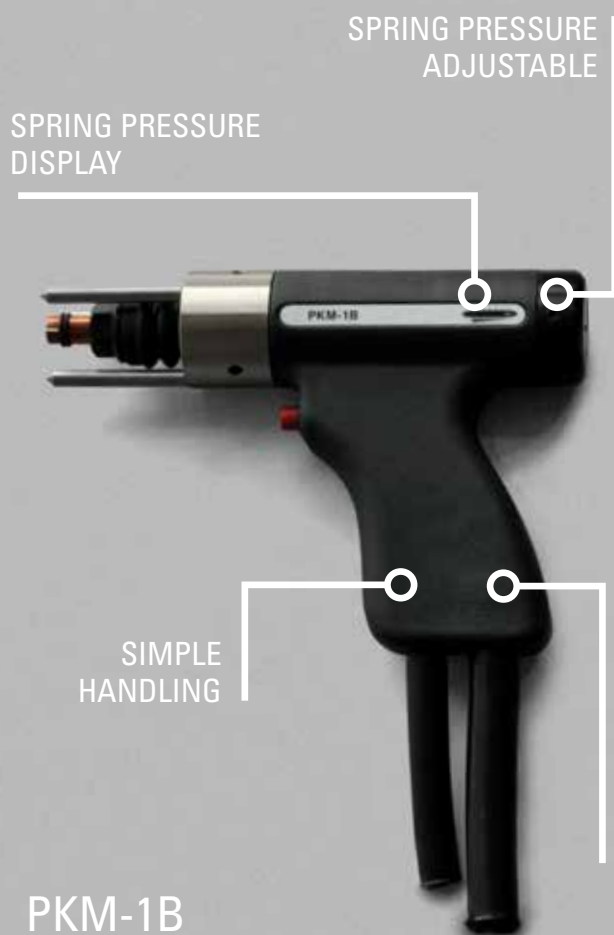
BOLTE

# PKM-1B

# PHM-1A

STUD WELDING GUNS FOR CAPACITOR DISCHARGE STUD WELDING

PHM-1A



PKM-1B



## INTEGRATED TRAVEL MEASURING SYSTEM



- » MEASURING OF STUD PROTRUSION BEFORE THE WELD AS WELL AS STUD TRAVEL (LIFT, IMMERSION DEPTH AND IMMERSION SPEED) DURING THE WELD
- » MEASURED VALUES ARE SHOWN IN THE DISPLAY OF THE STUD WELDING UNIT\*

\*Only in connection with series PRO-C units.



### » ADVANTAGES:

#### MONITORING OF WELDING QUALITY

- » Comparison of actual values to set values for each weld  
→ in case of variances a warning is displayed or the unit is locked for further welds
- » storage of the last ten welding parameter sets in the stud welding unit  
optional: welding parameter memory for 24500 welding parameter sets



#### COMFORTABLE, EXACT AND FAST ADJUSTING OF STUD WELDING GUN

- » Correctly adjusted stud protrusion and lift are key factors for a high-quality stud weld.  
→ As the adjusted values are shown in the display of the unit time-consuming manual measuring is no longer necessary.

## TECHNICAL DATA AND CHARACTERISTICS

	PKM-1B	PHM-1A
<b>Welding method</b>		
Capacitor discharge (contact)	x	
Capacitor discharge (gap)		x
<b>Welding range (Ø mm)</b>	2-10	2-10
<b>Welding material</b>		
Steel	x	x
Stainless steel	x	x
Aluminium		x
Brass		x
<b>Spring pressure adjustable</b>	x	
<b>Spring pressure display</b>	x	
<b>Lift adjustable</b>		x
<b>Lift display</b>		x
<b>Integrated travel measuring system</b>		o
<b>Piston guide</b>		
Slide-bearing	x	x
Linear ball track	o	o
<b>Welding cable</b>		
-cross-section (mm <sup>2</sup> )	25	25
-length (m)	6,5	3,5
<b>Control cable plug</b>	7-pin	7-pin (12-pin <sup>1)</sup> )
<b>Housing from impact resistant plastics</b>	x	x
<b>Protection of piston guidance from welding spatters</b>	x	x
<b>Dimensions</b>		
Width (mm)	40	40
Height (mm)	130	130
Length (mm)	183	183
Weight without cable (kg)	0,7	0,7

x – Standard, o – Option

<sup>1)</sup> with integrated travel measuring system



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