

PLUG AND WELD



Made in Germany

Penwelder BLT Series 1

mobile compact device for hand-held laser welding
www.penwelder.de

fast and flexible working · TSS - Triple Security System · laser power infinitely variable ·
Integrated inert gas supply · extensive accessories · highest laser safety

BLUE
LASERTOOLS

BLT PROFESSIONAL



BLT ECO



TECHNICAL SPECIFICATIONS

Laser Parameter	ECO	PROFESSIONAL
Laser Power on Part (W)	1000, 1500, 2000	1000, 1500, 2000
Integrated Pilot Laser	yes	yes
Wave Length (nm)	1075 ± 5	1075 ± 5
Type of Laserlightcable	LLK-A / BF 10	LLK-A / BF 10
Diameter Laserlightcable (μ)	400	300 / 400 / 600
Length Laserlightcable	4	4 / 6 / 10 / 20
Footprint	ECO	PROFESSIONAL
Dimensions (WxHxD) mm	550 x 1000 x 1200	550 x 1000 x 1200
Laser Safety	ECO	PROFESSIONAL
Laser Protection Class	4	4
Performance-Level Emergency Stop Button PLE	yes	yes
TSS – Triple Security System	yes	yes
Installation conditions / options	ECO	PROFESSIONAL
Ambient temperature °C	5 – 45	5 – 45
Integrated Cooling	yes	yes
Available colours	blue	blue, white, red
Operating concept	ECO	PROFESSIONAL
Parameter Setting	switch	Touchpanel
# of programmable channels	-	9
W-LAN	no	yes
Scope of delivery	Laser welding device BLT, PenWelder, laserlightcable, laser protection goggles	
Options	Connection Cable, laser protection goggle, laser protection gloves, contact tips and guide ruler, configurable access control, interface OPC-UA, Remote-Service	

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