

Lincoln Electric **BESTER**

BESTER 190C MULTI

New, portable, multi-process inverter

2019 October 14th

www.lincolnelectric.eu



by Lincoln Electric

BESTER 190C MULTI

MIG/FCW/STICK/TIG Inverter for Small workshops

- 230V1Ph 50/60Hz (±10%), plug installed
- GMAW Manual, FCW Manual, FCW-SS: 30-180A@20%
- STICK 15-180A@15%, Rutile & Basic 6013/7018
- TIG Lift 15-180A@25%
- Main controls: GMAW, FCW (Volts, WFS in m/min, arc inductance) & STICK (Amps, Arc Force), TIG (Amps)
- 2/4 stroke
- 2 rolls
- Euro style gun connector
- Digital display
- K200 spool (max 5kg of Steel solid wire)
- 13kg
- User Interface with simple Icon Language
- Easy Polarity change
- 305x220x480 mm (HxWxD)
- IP21S
- 2 Year Warranty

In the box:

- Ground cable 3m, gas hose 2m
- Primary cable with plug
- MIG gun 3m
- Instruction Manual



B18259-1

BESTER 190C MULTI

Machine front and rear



EURO connector
For MIG Gun
(default „+“)

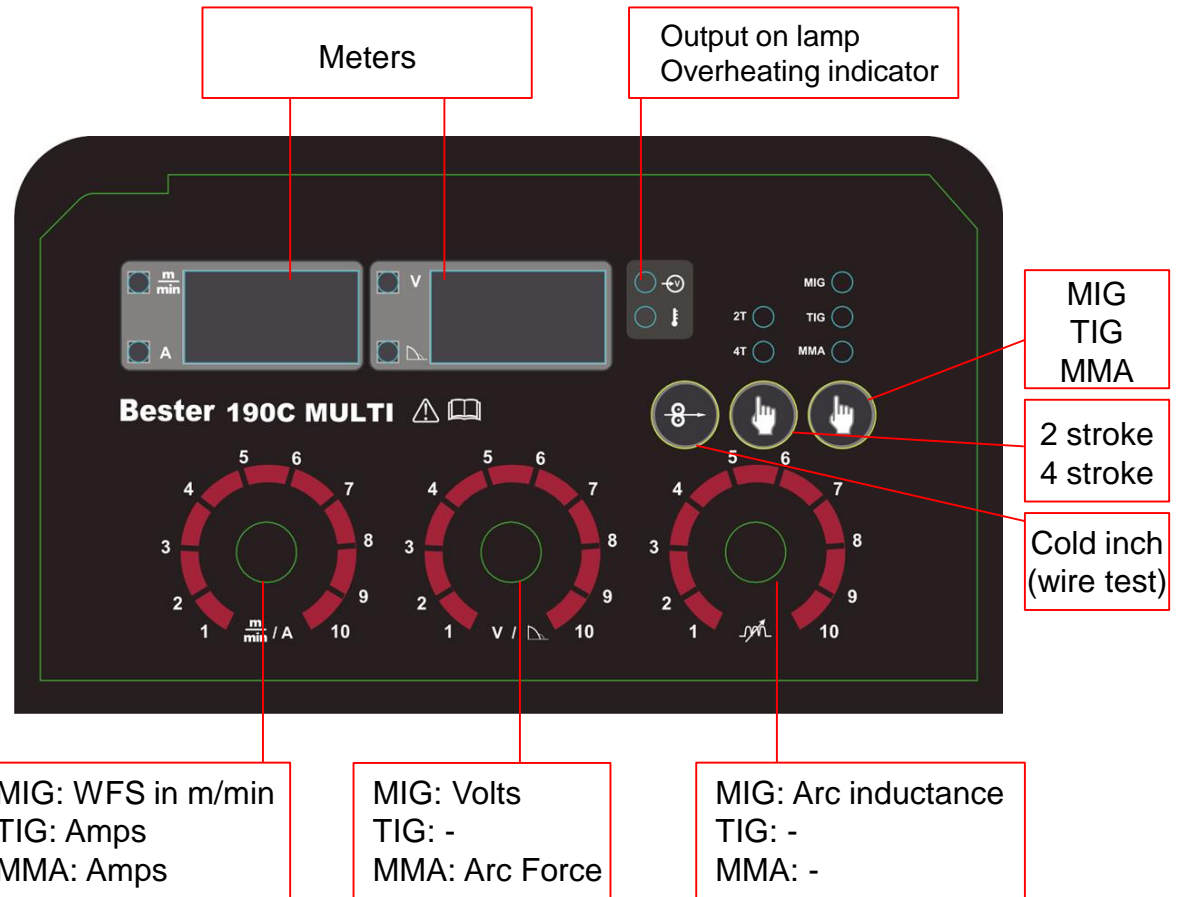
Studs for ground
cable / MMA holder /
TIG torch „- & +“



Gas inlet

Primary cable

Main switch



BESTER 190C MULTI

Feeder's cabinet – It's easy!

Easy to open
side doors



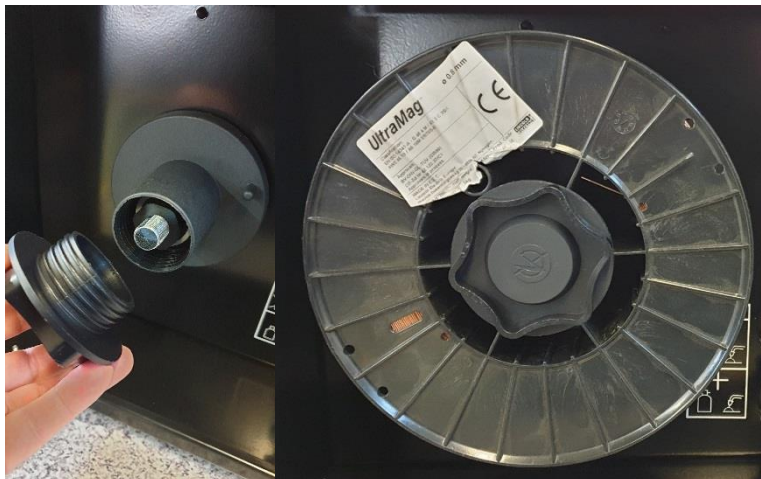
Easy to identify
key elements



Easy set-up on
big sticker



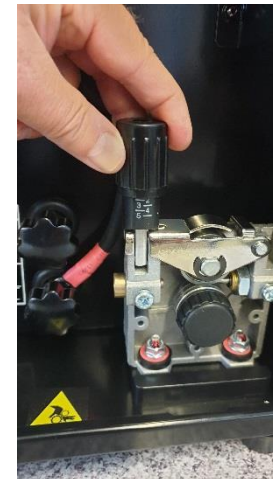
Easy Wire spool
installation



Easy Polarity
change



Easy Arm
pressure settings



Easy Rolls
exchange



BESTER 190C MULTI

Welding methods and main controls



GMAW (MIG/MAG)

(incl. FCW Manual, FCW-SS)

$\frac{m}{min}$

Wire feed speed WFS: Value in percentage of nominal value wire feed speed (m/min).

V

The welding load voltage and set by this knob (also during welding).

mL

Inductance: Arc cone can be controlled. If the value is higher, the arc will be softer and during welding is less spatters with improved wetting of the puddle (scale 0-10)



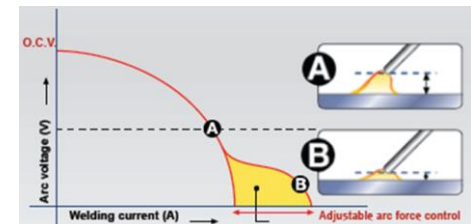
SMAW (STICK, MMA)

A

The welding current is set by this knob (also during welding).

∇

ARC FORCE: The output current is temporarily increased to clear short circuit connections between the electrode and the work piece (0-10)



GTAW (TIG)

A

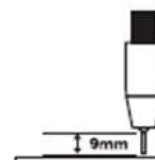
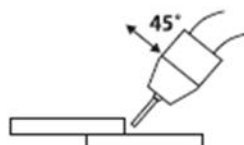
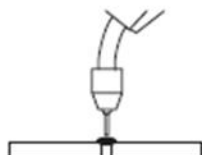
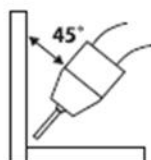
The welding current is set by this knob (also during welding).

BESTER 190C MULTI

Parameters setting

		Suggested settings for welding with Bester 190C MULTI										
		STEEL								STEEL		
		DC+								DC-		
		SOLID								CORED		
		100% CO2				80% ARGON 20% CO2				NA		
Wire Diameter		0.6mm	0.8mm	0.9mm	1.0mm	0.6mm	0.8mm	0.9mm	1.0mm	0.8mm	0.9mm	
Bester 190C MULTI	1.6mm											
		16.9V 6.2	16.6V 4.6	16.6V 2.5	17.0V 2.1	15.2V 6.1	15.0V 2.7	15.0V 2.6	15.0V 2.2	14.8V 2.8	14.8V 2.8	
	3.0mm	16.9V 64A	16.6V 65A	16.6V 70A	17.0V 70A	15.2V 65A	15.0V 65A	15.0V 70A	15.0V 70A	14.8V 70A	14.8V 70A	
		20.9V 16.0	19.5V 7.1	19.4V 4.7	19.4V 3.8	17.3V 15.1	18.0V 6.7	18.0V 4.7	18.0V 3.6	17.3V 6.6	17.3V 5.1	
	4.0mm	20.9V 123A	19.5V 125A	19.4V 125A	19.4V 125A	17.3V 125A	18.0V 125A	18.0V 125A	18.0V 125A	17.3V 125A	17.3V 125A	
		N/A N/A	21.5V 9.1	21.5V 6.2	21.5V 4.7	N/A N/A	19.0V 8.3	19.0V 6.0	19.0V 4.5	21.0V 8.3	21.0V 6.4	
	5.0mm	N/A N/A	21.5V 145A	21.5V 145A	21.5V 145A	N/A N/A	19.0V 145A	19.0V 145A	19.0V 145A	21.0V 145A	21.0V 145A	
		N/A N/A	23.2V 11.0	23.2V 7.4	23.2V 5.9	N/A N/A	20.5V 9.9	20.4V 6.8	20.3V 5.3	21.5V 10.3	21.5V 8.4	
			N/A N/A	23.2V 160A	23.2V 160A	23.2V 160A	N/A N/A	20.5V 165A	20.4V 165A	20.3V 165A	21.5V 160A	21.5V 160A

N/A=Not applicable
N/R=Not Recommended



BESTER 190C MULTI

Accessories

Accessories	
Item number	Description
W10429-15-3M	LGS2 150 MIG gun, gas cooled - 3m.
W000010786	Gas nozzle conical Ø12mm.
W000010820	Contact Tip M6x25mm ECu 0.6mm
W000010821	Contact Tip M6x25mm ECu 0.8mm
WP10440-09	Contact Tip M6x25mm ECu 0.9mm
W000010822	Contact Tip M6x25mm ECu 1.0mm
WP10468	Protection cap to FCAW-SS process.
W10529-17-4V	GTAW torch WTT2 17- 4m with valve
W000260684	Lead's KIT to SMAW process:
	The electrode holder with lead to SMAW process - 3m.
	Work lead - 3m.
Drive rolls	
	Solid wires:
S33444-20	Drive roll V0.6 / V0.8
S33444-21	Drive roll V0.8 / V1.0 (Installed in standard)
	Aluminum wires:
S33444-22	Drive roll U0,8 / U1.0
	Cored wires:
S33444-23	Drive roll VK0.9 / VK1.1

BESTER 190C MULTI

Package – what's in the box, key data



In the box:

- BESTER 190C MULTI (B18259-1, CODE 191100) with primary cable 2m, 16A plug installed
- MIG gun 3m with contact tip for 0,8mm wire
- Ground cable 3m
- Instruction Manual (English, French, German, Spanish, Italian, Portuguese, Dutch, Polish)

- Quantity on pallet: 48 pcs
- 20' container 480 pcs
- 40' container 1056 pcs