Handy TIG-200Di/200MV

Portable design, High quality, Great performance

Quick Specs CE

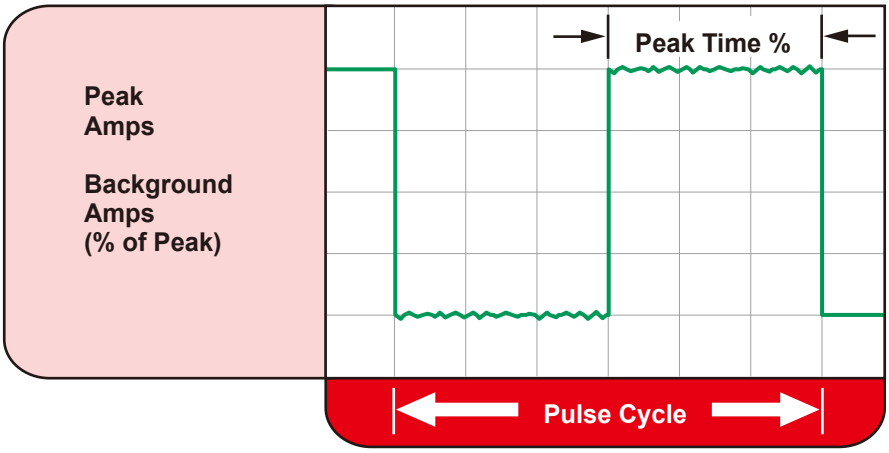
- **Processes:**
  DC TIG
  MMA(Stick)
- **Input Power:**
  200-240V/1-PH/50-60Hz
- **Rated Output at 40℃ (104℉):**
  200Di: 200A at 18V @60% Duty Cycle
- **Applications:**
  Metal Fabrication
  Maintenance and Repair
  Auto Body
  Light Industrial

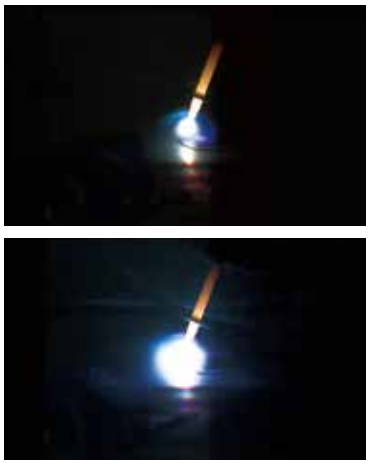
TOP Features:

- ✓ **Pulse control:** Built in pulsing functions help minimize heat input on thin materials, and provide for a faster freezing weld puddle for uphill welding on curved surfaces such as process piping. The TIG pulse also helps moderate filler metal deposition for consistent bead appearance.
- ✓ **High-frequency TIG starting:** Makes it easy to establish an arc under a variety of conditions. Enhances quality by minimizing the potential for weld.contamination created by tungsten inclusions in the weld.
- ✓ **Refined arc ignition from 3A.**
- ✓ **Hot Start Function** reliably ignites the electrode and melts perfectly to ensure the best quality even at the start of the seam.
- ✓ **Arc Force** makes it easier to weld large-drop melting electrode types at low current strengths with a short arc in particular.
- ✓ **Fast Spot Arc system** simply controls the spot arc parameter and offers a stable arc.
- ✓ **Powerful with heavy duty power sources at maximum output current: 200A @60%.**
- ✓ **Easy operation and full functions:** from the control panel allowing fast adjustment of all necessary controls for DC Pulse TIG welding with either HF or contact ignition.
- ✓ **4T Trigger Hold** allows to hold the present current by user until press the trigger again.
- ✓ **Fast, precise, clean arc ignition and arc ending.**
- ✓ **10 channels memory capacity**

Pulse TIG

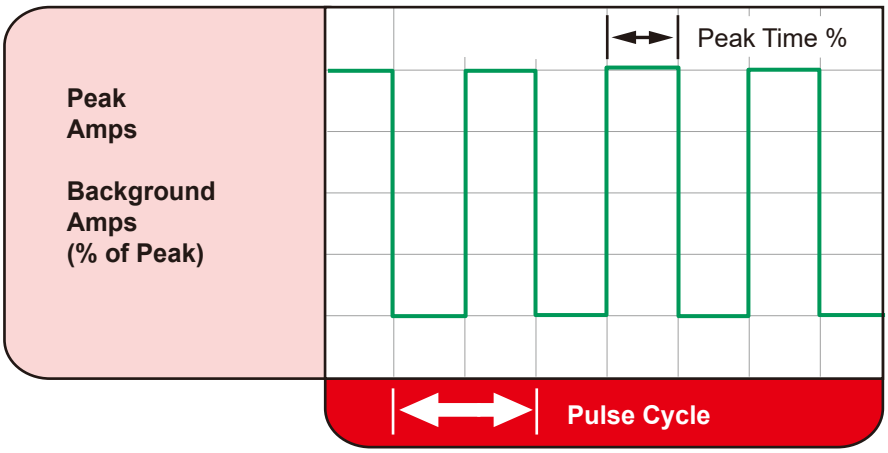
Conventional Pulsed TIG

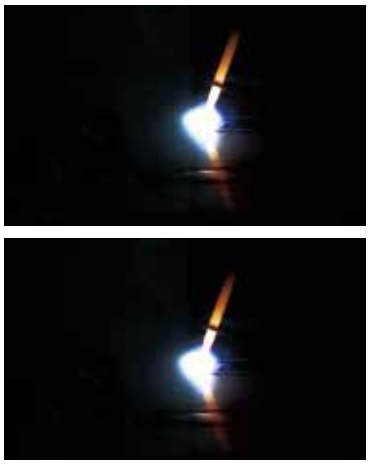




Typically from 0.2 to 10 PPS. Provides a heating and cooling effect on the weld puddle and can reduce distortion by lowering the average amperage. This heating and cooling effect also produces a distinct ripple pattern in the weld bead. The relationship between pulse frequency and travel speed determines the distance between the ripples. Slow pulsing can also be coordinated with filler metal addition and can increase overall control of the weld puddle.

High Speed Pulsed TIG





In excess of 40 PPS, Pulsed TIG becomes more audible than visible—causing increased puddle agitation for a better as-welded microstructure. Pulsing the weld current at high speeds — between a high Peak and a low Background amperage — can also constrict and focus the arc. This results in maximum arc stability, increased penetration and increased travel speeds.

Technical Specifications

Item No	Handy TIG-200Di	Handy TIG-200MV
Rated Input Voltage	1PH ~ 230V ±15%	1PH ~ 115/230V ±15%
Max. Load Power Capacity	TIG: 5.63KVA	TIG: 4.55KVA
	MMA: 6.60KVA	MMA: 5.33KVA
Rated Duty Cycle(40℃) 60%	TIG: 200A/18V	TIG: 200A/18V
	MMA: 160A/26.4V	MMA: 160A/26.4V
100%	TIG: 160A/16.4V	TIG: 160A/16.4V
	MMA: 130A/25.2V	MMA: 130A/25.2V
Welding Current/Voltage Range	TIG: 3A/10.1V~200A/18V	TIG: 3A/10.1V~200A/18V
	MMA: 20A/20.8V~160A/26.4V	MMA: 20A/20.8V~160A/26.4V
Open Circuit Voltage	70V~80V	70V~80V
Power Factor	0.8	0.99
Efficiency	80%	80%
TIG Pulse Frequency	0.2Hz~200Hz	0.2Hz~200Hz
Pulse Width (Ratio)	1%~100%	1%~100%
Arc-starting Current	5A~200A	5A~200A
Crater-?lling Current	5A~200A	5A~200A
Current Up-slope Time	0.1S~15S	0.1S~15S
Current Down-slop Time	0.1S~15S	0.1S~15S
Pre-Gas Time	0.1S~15S	0.1S~15S
Flow-Gas Time	0.1S~15S	0.1S~15S
MMA Arc Force	10A~160A	10A~160A
Hot Start Time	0.1~3S	0.1~3S
Hot Start Current	10A~160A	10A~160A
Dimension (LxWxH)	410x185x310mm	410x185x310mm
Weight (KG)	12KG	12KG

Accessories

Standard accessories

TIG-26

Technical data (EN 60 974-7):	
Type of cooling:	Gas cooled
Rating:	180A DC
	150A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 0.5–4 mm

Consumables:

Back cap

Collet

Insulating ring/Adaptor

Collet body

Gas nozzle, ceramic

Electrode holder with cable 2M
Earth clamp with cable 2M

Optional accessories

BINZEL ABITIG ® GRIP 26

Technical data (EN 60 974-7):	
Type of cooling:	air cooled
Rating:	180A DC
	130A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 0.5–4.0 mm

Argon gas regular

Foot Pedal