

BP-550 AC/DC TIG & MMA Inverter Welding Power Source

Function	BP-550
Mains voltage	AC220V / 50 ; 60Hz / 3P
Mains voltage tolerance	+/- 10%
Primary continuous current (100 % d.c.)	25 KVA
Welding current range	
DC TIG	5 - 550A
AC TIG	20 - 550A
DC MMA	5 - 450A
AC MMA	20 - 450A
Welding current at:	
10 min/40 °C (104 °F) 40 %	550A
10 min/40 °C (104 °F) 100 %	300A
Open-circuit voltage	80V
Working voltage	
DC TIG	16 - 25V
AC TIG	16 - 27V
DC MMA	20 - 37V
AC MMA	20 - 38V
Start arc current	5 - 550A
Welding current	5 - 550A
Pulse current	5 - 550A
Crater arc current	5 - 550A
Current slow up time	0.1 - 5.0 Sec
Current slow down time	0.2 - 10.0 Sec
Spot welding time	0.2 - 5.0 Sec
Gas preflow time	0.1 - 2.0 Sec
Gas postflow time	2.0 - 20.0 Sec
Pulse frequency	0.5 - 500 Hz
Pulse amplitude	20 - 80%
Welding start mode	Spot / 2-step / 4-step / Repeat
Size	L650*W400*H750
Weight	75 Kgs

Features

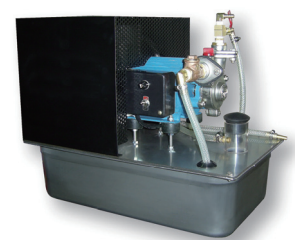
1. The welding machine can output DC TIG welding, AC (sine wave) TIG welding and DC+AC (rectangular wave) TIG welding.
2. Welding machine provides super start arc function, It can operate penetration start arc welding on pre-positioned workpieces.
3. The welder provides a set of arc confirmation contacts, which can be connected to automatic welding control.
4. The welder has a water pressure switch to confirm the water cooling cycle operation.
5. Specially designed for automatic welding, fast arc starting and reduce high frequency interference.
6. The welding machine is 100% designed and 100% manufactured in Taiwan.

Optional

Model	Name	Use Purpose
TW-4RA	Cold Wire Feeder	Operation welded filler
WB3800D	Water Cooler	Cooling water-cooled TIG welding torch, the cooling water temperature is room temperature +20°C
CWA4PTS	Ice Water Cooler (4000BTU/HR)	Cooling water-cooled TIG welding torch, can adjustable cooling water temperature 20°C~40°C



TW-4RA



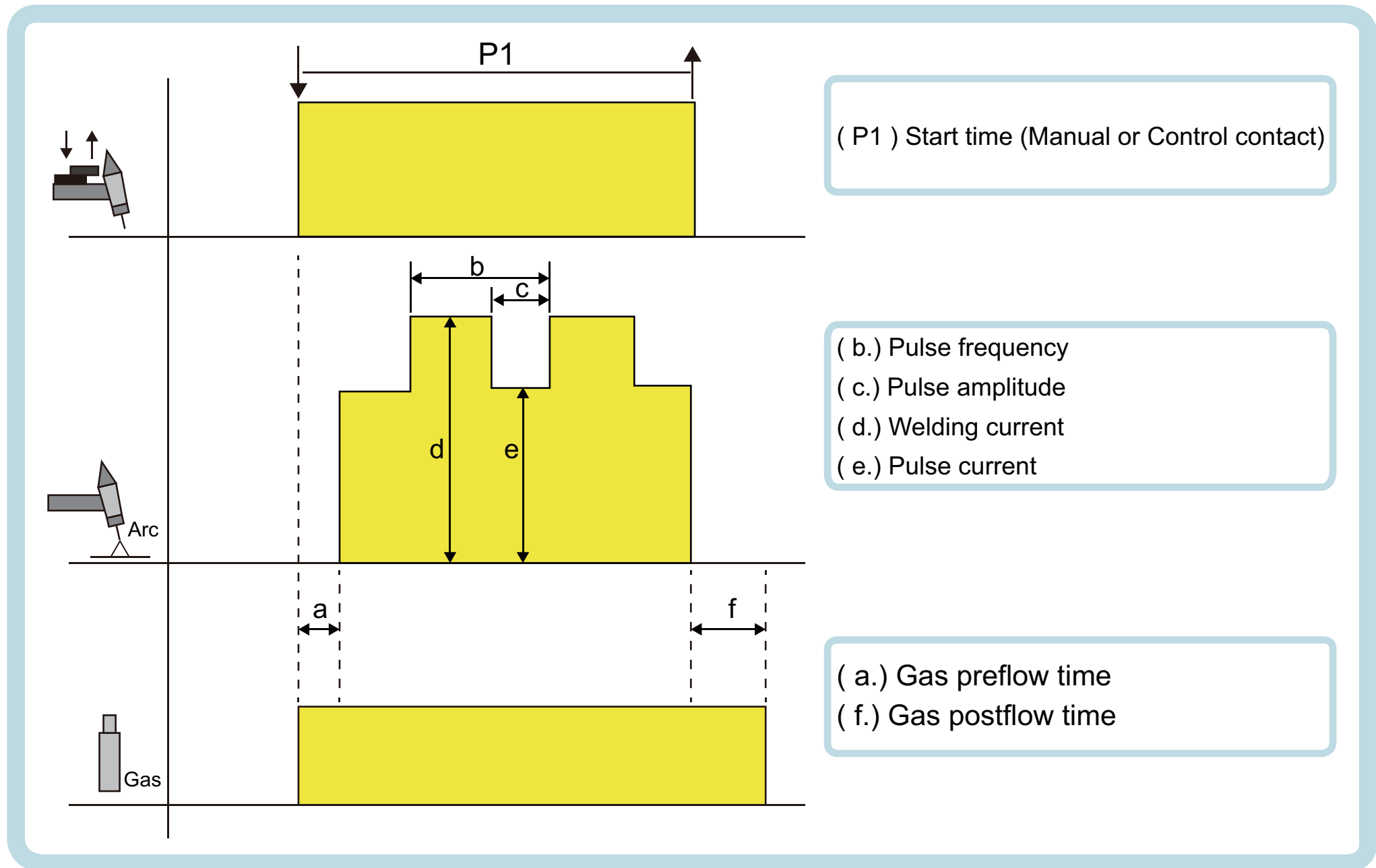
WB3800D



CWA4PTS



Welding start mode : 2-step



(P1) Start time (Manual or Control contact)

(b.) Pulse frequency

(c.) Pulse amplitude

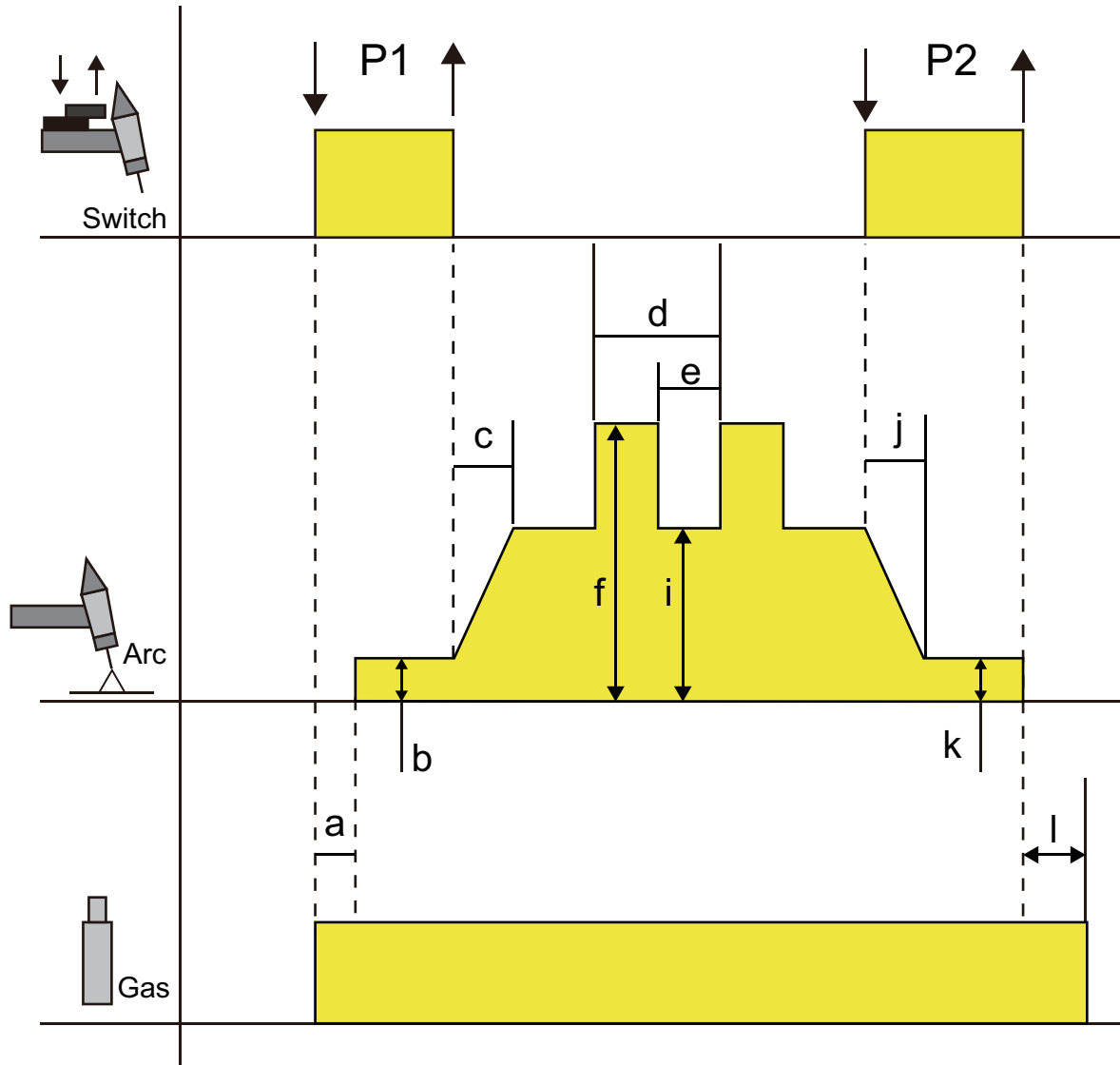
(d.) Welding current

(e.) Pulse current

(a.) Gas preflow time

(f.) Gas postflow time

Welding start mode : 4-step



- (P1) First start time (Manual or Control contact)
- (P2) Second crater time (Manual or Control contact)

- (b.) Start arc current
- (c.) Current slow up time
- (d.) Pulse frequency
- (e.) Pulse amplitude
- (f.) Welding current
- (i.) Pulse current
- (j.) Current slow down time
- (k.) Crater arc current

- (a.) Gas preflow time
- (l.) Gas postflow time