



Power Wave 455M-CE

Weld Set Reference: Z06E040i

Steel		
Procedure	Gas Type	Mode
0.8mm Wire Size		
CV	CO ₂	93
CV	Argon Mix	94
Pulse	Argon Mix	95
1.0mm Wire Size		
CV	CO ₂	10
CV	Argon Mix	11
Pulse	Argon Mix	12
Pulse RapidArc	Argon CO ₂	13
1.2mm Wire Size		
CV	CO ₂	20
CV	Argon Mix	21
Pulse	Argon Mix	22
Pulse RapidArc	Argon CO ₂	18

Stainless		
Procedure	Gas Type	Mode
0.8mm Wire Size		
CV	Argon Mix	61
CV	Ar He CO ₂	63
Pulse	Ar He CO ₂	64
Pulse	Argon CO ₂	66
1.0mm Wire Size		
CV	Argon Mix	31
CV	Ar He CO ₂	33
Pulse	Ar He CO ₂	34
Pulse	Argon CO ₂	36
1.2mm Wire Size		
CV	Argon Mix	41
CV	Ar He CO ₂	43
Pulse	Ar He CO ₂	44
Pulse	Argon CO ₂	46

Aluminum AlSi		
Procedure	Gas Type	Mode
1.0mm Wire Size		
CV	Argon	148
Pulse	Argon	149
Pulse on Pulse	Argon	98
1.2mm Wire Size		
CV	Argon	71
Pulse	Argon	72
Pulse on Pulse	Argon	99
1.6mm Wire Size		
CV	Argon	73
Pulse	Argon	74
Pulse on Pulse	Argon	100

Aluminum AlMg		
Procedure	Gas Type	Mode
1.0mm Wire Size		
CV	Argon	151
Pulse	Argon	152
Pulse on Pulse	Argon	101
1.2mm Wire Size		
CV	Argon	75
Pulse	Argon	76
Pulse on Pulse	Argon	102
1.6mm Wire Size		
CV	Argon	77
Pulse	Argon	78
Pulse on Pulse	Argon	103

General		
Stick/Tig/Gouge		
Stick Soft		1
Stick Crisp		2
Touch Start TIG	Argon	3
Gouging		9
Wire Welding (Non Synergic)		
CV MIG		5
FCAW-SS	Self Shielded	6
Power mode		40

Metal Core		
1.2mm Wire Size		
CV	Argon CO ₂	81
Pulse	Argon CO ₂	82
1.4mm Wire Size		
CV	Argon CO ₂	83
Pulse	Argon CO ₂	84
1.6mm Wire Size		
CV	Argon CO ₂	85
Pulse	Argon CO ₂	86

Flux Core		
1.2mm Wire Size		
CV	CO ₂	90
CV	Argon CO ₂	91
Nickel Alloy		
1.0mm Wire Size		
Pulse	Ar He	170
1.2mm Wire Size		
Pulse	Ar He	175
Silicon Bronze		
1.0mm Wire Size		
Pulse	Argon	192



CONTENTS OF WELDING SOFTWARE Z06E040i

Mode	Process	Procedure	Wire Size	Wire Type	Gas	ArcControl
1	SMAW	Stick Soft				Arc Force
2	SMAW	Stick Crisp				Arc Force
3	GTAW	Touch Start TIG			Argon Blends	n/a
5	GMAW	CV MIG (NonSyn)				Pinch
6	FCAW-SS	FCAW-SS (NonSyn)			Self Shielded	Pinch
9	GOUGE	Gouging			Air	Arc Force
10	GMAW	CV	1.0mm	Steel	CO2	Pinch
11	GMAW	CV	1.0mm	Steel	Argon Blends	Pinch
12	GMAW-P	Pulse	1.0mm	Steel	Argon Blends	Wave Control
13	GMAW-P	Pulse - RapidArc	1.0mm	Steel	Argon CO2 Blends	Wave Control
18	GMAW-P	Pulse - RapidArc	1.2mm	Steel	Argon CO2 Blends	Wave Control
20	GMAW	CV	1.2mm	Steel	CO2	Pinch
21	GMAW	CV	1.2mm	Steel	Argon Blends	Pinch
22	GMAW-P	Pulse	1.2mm	Steel	Argon Blends	Wave Control
31	GMAW	CV	1.0mm	Stainless	Argon Blends	Pinch
33	GMAW	CV	1.0mm	Stainless	Argon Helium CO2	Pinch
34	GMAW-P	Pulse	1.0mm	Stainless	Argon Helium CO2	Wave Control
36	GMAW-P	Pulse	1.0mm	Stainless	Argon Blends	Wave Control
40	GMAW	Power Mode (NonSyn)				Pinch
41	GMAW	CV	1.2mm	Stainless	Argon Blends	Pinch
43	GMAW	CV	1.2mm	Stainless	Argon Helium CO2	Pinch
44	GMAW-P	Pulse	1.2mm	Stainless	Argon Helium CO2	Wave Control
46	GMAW-P	Pulse	1.2mm	Stainless	Argon CO2 Blends	Wave Control
61	GMAW	CV	0.8mm	Stainless	Argon Blends	Pinch
63	GMAW	CV	0.8mm	Stainless	Argon Helium CO2	Pinch
64	GMAW-P	Pulse	0.8mm	Stainless	Argon Helium CO2	Wave Control
66	GMAW-P	Pulse	0.8mm	Stainless	Argon CO2 Blends	Wave Control
71	GMAW	CV	1.2mm	Aluminum (AlSi)	Argon	Pinch
72	GMAW-P	Pulse	1.2mm	Aluminum (AlSi)	Argon	Wave Control
73	GMAW	CV	1.6mm	Aluminum (AlSi)	Argon	Pinch
74	GMAW-P	Pulse	1.6mm	Aluminum (AlSi)	Argon	Wave Control
75	GMAW	CV	1.2mm	Aluminum (AlMg)	Argon	Pinch
76	GMAW-P	Pulse	1.2mm	Aluminum (AlMg)	Argon	Wave Control
77	GMAW	CV	1.6mm	Aluminum (AlMg)	Argon	Pinch
78	GMAW-P	Pulse	1.6mm	Aluminum (AlMg)	Argon	Wave Control
81	GMAW	CV	1.2mm	Metal Core	Argon CO2 Blends	Pinch
82	GMAW-P	Pulse	1.2mm	Metal Core	Argon CO2 Blends	Wave Control
83	GMAW	CV	1.4mm	Metal Core	Argon CO2 Blends	Pinch
84	GMAW-P	Pulse	1.4mm	Metal Core	Argon CO2 Blends	Wave Control
85	GMAW	CV	1.6mm	Metal Core	Argon CO2 Blends	Pinch
86	GMAW-P	Pulse	1.6mm	Metal Core	Argon CO2 Blends	Wave Control
90	FCAW-GS	Flux Core	1.2mm	Gas Shield	CO2	Pinch
91	FCAW-GS	Flux Core	1.2mm	Gas Shield	Argon CO2 Blends	Pinch
93	GMAW	CV	0.8mm	Steel	CO2	Pinch
94	GMAW	CV	0.8mm	Steel	Argon Blends	Pinch
95	GMAW-P	Pulse	0.8mm	Steel	Argon Blends	Wave Control
98	GMAW-P	Pulse on Pulse	1.0mm	Aluminum (AlSi)	Argon	Modulation Freq
99	GMAW-P	Pulse on Pulse	1.2mm	Aluminum (AlSi)	Argon	Modulation Freq
100	GMAW-P	Pulse on Pulse	1.6mm	Aluminum (AlSi)	Argon	Modulation Freq
101	GMAW-P	Pulse on Pulse	1.0mm	Aluminum (AlMg)	Argon	Modulation Freq
102	GMAW-P	Pulse on Pulse	1.2mm	Aluminum (AlMg)	Argon	Modulation Freq
103	GMAW-P	Pulse on Pulse	1.6mm	Aluminum (AlMg)	Argon	Modulation Freq
148	GMAW	CV	1.0mm	Aluminum (AlSi)	Argon	Pinch
149	GMAW-P	Pulse	1.0mm	Aluminum (AlSi)	Argon	Wave Control
151	GMAW	CV	1.0mm	Aluminum (AlMg)	Argon	Pinch
152	GMAW-P	Pulse	1.0mm	Aluminum (AlMg)	Argon	Wave Control
170	GMAW-P	Pulse - NonAdaptive	1.0mm	Ni Alloy	Argon Helium	Wave Control
175	GMAW-P	Pulse - NonAdaptive	1.2mm	Ni Alloy	Argon Helium	Wave Control
192	GMAW-P	Pulse	1.0mm	Si Bronze	Argon	Wave Control

N.A., N.B
N.A., N.B
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N.A., N.B

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Notes:

- N.A. May not be available on machines equipped with analog interface.
- N.B. Not fully supported by Fanuc/DeviceNet implementation.



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