

KOLARC

BUILDING THE FUTURE



Robotic Interfaces

Ethernet

Others



DeviceNet

EtherNet/IP

CANopen



PROFIBUS

EtherCAT



XM500 W
Pulse



XM500
Pulse



TECHNICAL SPECIFICATIONS

Input Voltage
Mains Voltage Tolerance
Minimum Welding Current
Maximum Welding Current
MIG Duty Cycle, 40°C
TIG Duty Cycle, 40°C
MMA Duty Cycle, 40°C
Open – Circuit Voltage
Factory Delivered Roller
Weight
Standard Accessories

Dimensions (W, L, H)
Certification

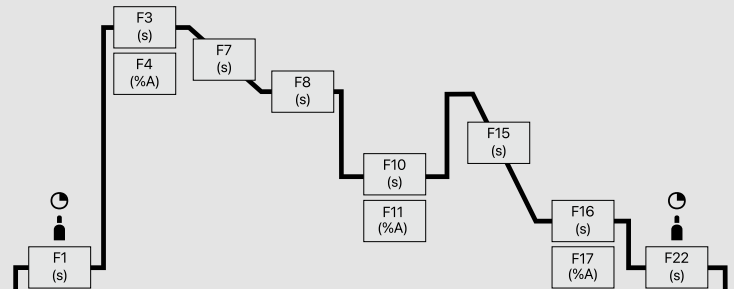
400 V
- 10 % / + 15 %
10 A
500 A
500 A %60, 400 A %100
500 A %60, 400 A %100
500 A %60, 400 A %100
63 V - 82 V
1.0 + 1.2 mm / Steel
Liquid Cooled 107 kg
5m Power Cable (4x4mm²)
5m Earth Clamp (70mm²)
Interconnection H.P (5m)
Torch, MX50 4m
532mm x 974mm x 1270mm
CE

400 V
- 10 % / + 15 %
10 A
500 A
500 A %60, 400 A %100
500 A %60, 400 A %100
500 A %60, 400 A %100
68 V - 82 V
1.0 + 1.2 mm / Steel
Air Cooled , 92 kg
5m Power Cable (4x4mm²)
5m Earth Clamp (70mm²)
Interconnection H.P (5m)
Torch, MX36 4m
532mm x 974mm x 1032mm
CE

Intuitive User Interface

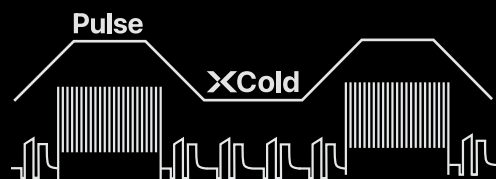
Standard-Pulse		0.8	1.0	1.2	1.6
SG2 / SG3 GS31 / GAS1		Ar+18%CO ₂	8	10	12
		Ar+10%CO ₂	18	20	22
		CO ₂ 100%	28	30	32
MIG	318 / 1.4576	Ar+2.5%CO ₂	38	40	42
	316 / 1.4430		68	70	72
	310 / 1.4842		520	522	
	309 / 1.4332		538	540	542
	308 / 1.4316		58	60	62
	307 / 1.4370		48	50	52
Duplex 2209 1.4462		Ar+20%He+2%CO ₂	78	80	82
			88	90	92
CuSi		Ar100%	178	180	182
		Ar+2.5%CO ₂	558	560	562
CuAl		Ar100%	188	190	192
CuSi Brazing		Ar100%	198	200	202
		Ar+2.5%CO ₂	208	210	212
CuAl Brazing		Ar100%	218	220	222
		Ar+2.5%CO ₂	228	230	232
AlMg5, 4 Mn		Ar100%	118	120	122
		Ar+30%He	128	130	132
AlMg3		Ar100%	530	532	535
AlSi		Ar100%	138	140	142
		Ar+30%He	148	150	152
Al99		Ar100%	158	160	162
		Ar+30%He	168	170	172
Flux Cored Wire			0.8	1.0	1.2
Steel / FluxCore Metal		Ar+18%CO ₂	238	240	242
		Ar+18%CO ₂	248	250	252
Steel / FluxCore Rutil		CO ₂ 100%		262	266
Steel / FluxCore Basic		Ar+18%CO ₂		602	
CrNi / FluxCore Metal		Ar+2.5%CO ₂	272	274	276
CrNi / FluxCore Rutil		Ar+18%CO ₂	282	284	286
CrNi / FluxCore Rutil		CO ₂ 100%	292	294	296
Steel FluxCore High Str.		Ar+18%CO ₂		592	
Steel / FluxCore Rutil		Self Shielded	720	722	
Application					
MIG/MAG Manual				4	
TIG (Lift Arc)				6	
MMA				6	
Gouging				7	

XDeep - Pulse				0.8	1.0	1.2	1.6			
SG2 / SG3				Ar+18%CO ₂	298	300	302	306		
G3S1 / G4S1				Ar+10%CO ₂	308	310	312	316		
CNI		318 / 1.4576	Ar+2.5%CO ₂	620	622	626				
		316 / 1.4430		622	624	646				
		310 / 1.4842		660	662	662				
		309 / 1.4332		670	672	676				
		308 / 1.4316		320	322	326				
		307 / 1.4370		332	332	636				
		Duplex 2209 1.4462		650	652	656				
AlMg4.5 Mn				Ar100%		332	336			
AlSi				Ar100%		342	346			
AlB9				Ar100%		352	356			
CrNi / FluxCore Metal				Ar+18%CO ₂	608	610	612	616		
XRoot - Pulse				0.8	1.0	1.2	1.6			
SG2 / SG3				Ar+18%CO ₂		360	362			
G3S1 / G4S1				CO ₂ 100%		370	372			
				Ar+10%CO ₂		500	502			
XCold - Pulse				0.8	1.0	1.2	1.6			
SG2 / SG3				Ar+18%CO ₂	378	380	382	386		
G3S1 / G4S1				CO ₂ 100%	388	390	392			
				Ar+10%CO ₂	510	512				
CNI		318 / 1.4576	Ar+2.5%CO ₂	678	680	682				
		316 / 1.4430		698	700	702				
		308 / 1.4316		398	400	402				
		307 / 1.4370		688	690	692				
		Duplex 2209 1.4462		708	710	712				
		AlMg4.5 Mn				Ar100%	410	412		
		AlSi				Ar100%	420	422		
AlB9				Ar100%	430	432				
CuSi Brazing				Ar100%	438	440	442			
CuAl Brazing				Ar100%	448	450	452			
AlSi Brazing				Ar100%	460	462				
ZnAl Brazing				Ar100%	470	472				
ZnAl (St to Al Welding)				Ar100%	490	492				
Mg / Mg				Ar+30%He		572	576			
Cladding				0.8	1.0	1.2	1.6			
NiCr-6625 / 2.4831				Ar+30%He	100	102	106			
				Ar+20%He+2%CO ₂	110	112	116			
NiCr-6617 / 2.4627				Ar+30%He		552	556			
Co - Based				Ar100%		532	536			



Function	Description	Min	Max
F1	Gas pre-flow (s)	0	10
F2	Start wire speed (m/min)	1.5	11
F3	Start time (s)	0	10
F4	Start current (%)	1	200
F5	Start arc correction(V)	-9.9	+9.9
F7	Start slope (s)	0	5
F8	Duo peak time (s)	0.05	10
F10	Duo base time (s)	0.05	10
F11	Duo base amper (%)	1	100
F12	Duo base arc correction (v)	-9.9	+9.9
F15	End down slope (s)	0	10
F16	End time (s)	0	10
F17	End current (%)	1	200
F18	End arc correction (V)	-9.9	+9.9
F20	End burn back (-)	0	15
F21	End wire cut mode (-)	0	2
F22	Gas post-flow (s)	0	10
F23	Smart trigger (-)	0	1
F24	Penetration stabilizer (m/min)	0	10

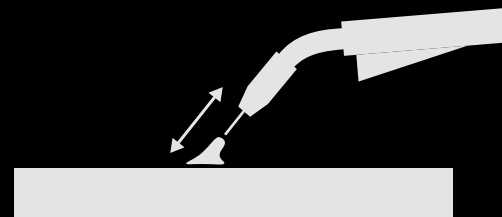
	Function	Description	Min	Max
MIMA	F25	Hot start time (s)	0	10
	F26	Hot start current (%)	1	200
	F27	Arc force (-)	-50	+50
	F28	Antistick (s)	0	2
	F29	VRD function (-)	0	1
OTHERS	F34	Tack/stitch mode (-)	0	2
	F35	Cooling mode (-)	0	4
	F36	Motor current (A)	0	-
	F37	Motor current limit (A)	0.7	7
	F38	Auto load default values (-)	0	1
	F39	Motor control firmware (-)	-	-
	F40	Power control firmware (-)	-	-
	F41	Arc on time (h)	0	-
	F42	Machine on time (h)	0	-
	F45	Wire speed correction (m/min)	-2	+2
	F48	Status light template	0	4
F49	Working mode	0	9	
F50	RL cable calibration (mOhm)	0	30	
TIG	F31	TIG V stop limit (V)	-	-
	F32	TIG comfort stop sensitivity (V)	-2	+2



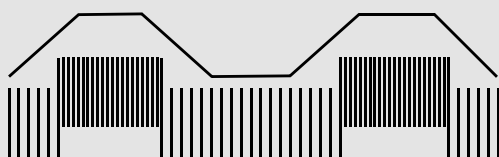
Position



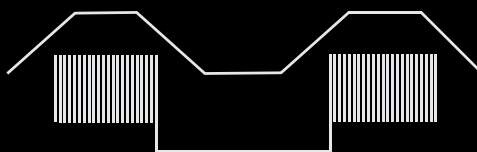
**4x4 Rollers
Wire Drive**



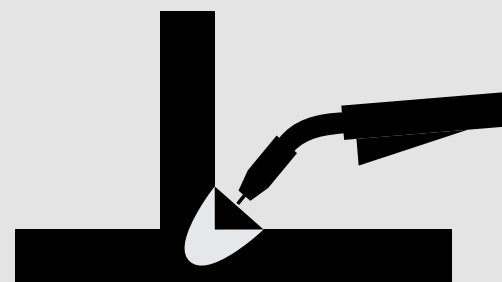
XCStabil



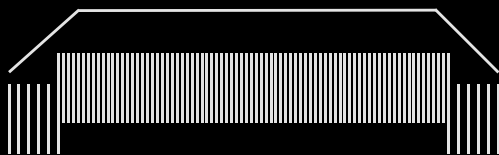
Duo Pulse



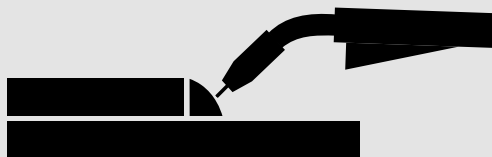
Twin



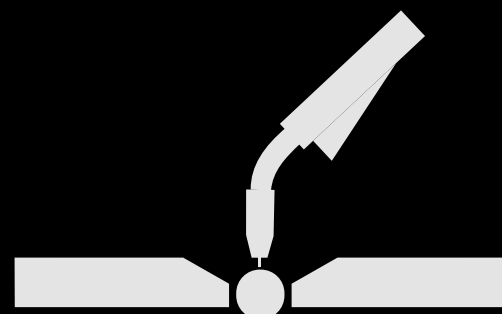
XCDeep



Pulse



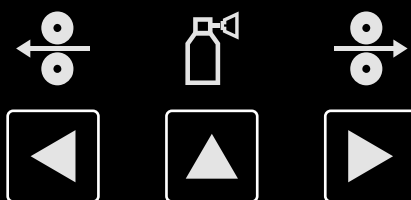
XC Cold



XCRoot



25.000 PPS
Wire Speed Control
Perfect Feedability



Wire Push
Pull-Back
Gas Testing



Spool Cover
With Wire
View

99

Program
Memory



Intelligent
Cooling

RL

Torch and Cable
Calibration



Hose Pack
Support



Torch



Military
Connector

IP23 Design

Compact Wire Feeder

Industrial Wheels

Wire Feeder Wheels*

Ergonomic Robust Modular Design

Aluminum Gun Holder

Spatter Free Ignition

Wire Cut Function for Perfect Ignition

Wire Feeding Unit with LED Lighting

MMA Connection on Wire Feeder

Gas Saving System

Gas Filter

Coolant Liquid Filter

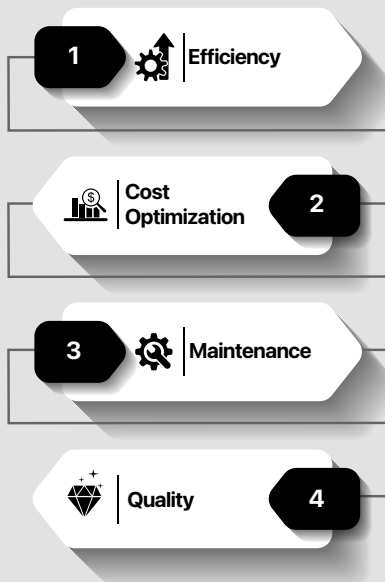
Extension Cable Holder

External Changable Couplings

Double Setscrew Plugs

Brass-Nut Sockets

*** Optional**

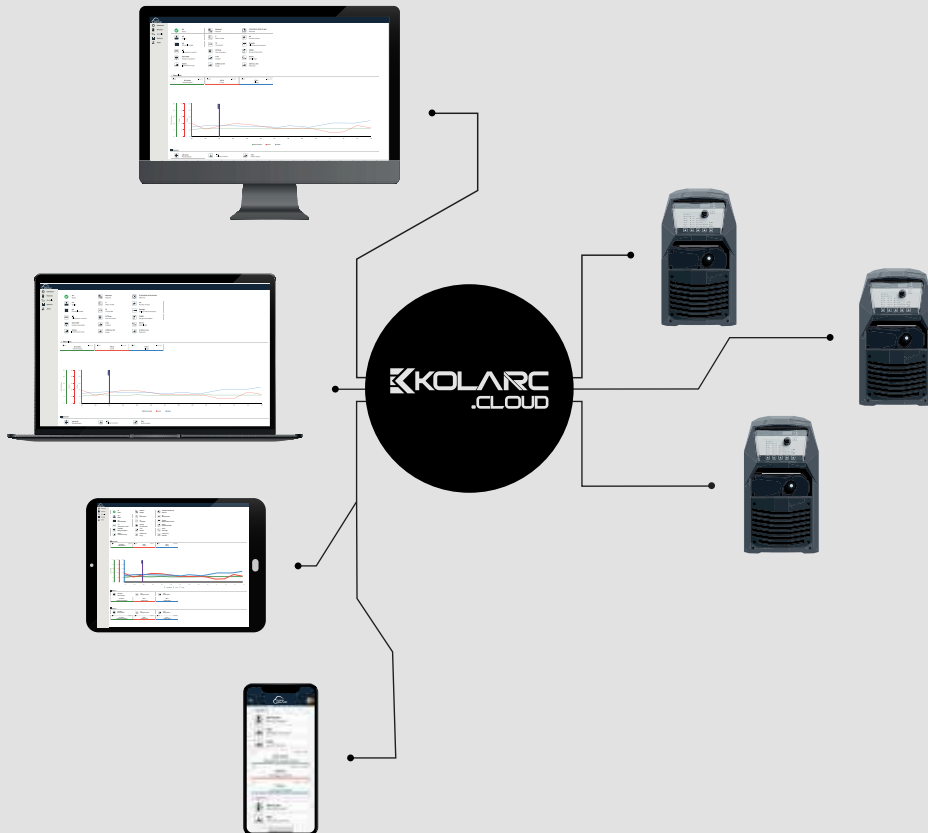


KOLARC
.CLOUD

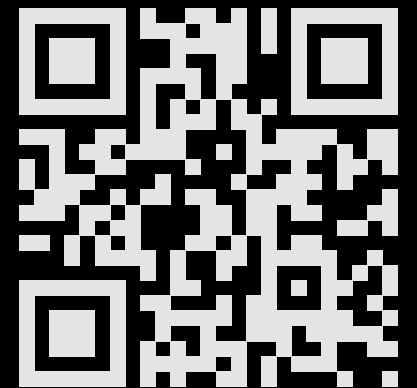
WiFi Bluetooth

LoRaWAN N

Ethernet
USB Type-C



KOLARC



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