

KOLARC

BUILDING THE FUTURE



Robotic Interfaces

Ethernet

Others



XM300 C
Pulse



XM220 C
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

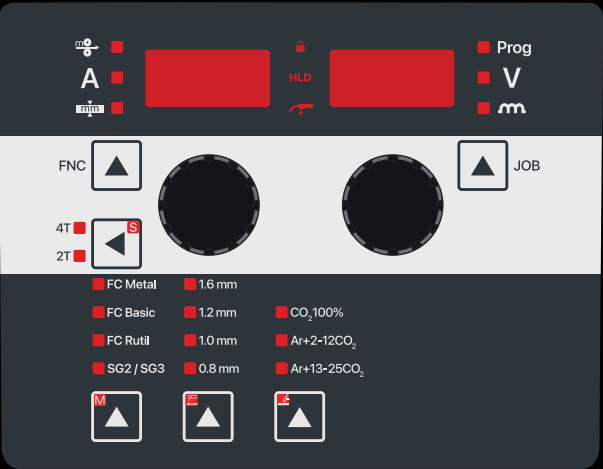
- 400 V
- 10 % / + 15 %
- 10 A
- 300 A
- 300 A %30, 200 A %100
- 300 A %30, 200 A %100
- 300 A %30, 200 A %100
- 63 V - 82 V
- 1.0 + 1.2 mm / Steel
- Air Cooled , 34 kg
- 4m Power Cable (4 x 2.5 mm²)
- 5m Earth Clamp (35 mm²)
- Gas Hose (1.5 m)
- 260mm x 650mm x 450mm
- CE

- 230 V
- 10 % / + 15 %
- 10 A
- 220 A
- 220 A %30, 120 A %100
- 220 A %30, 120 A %100
- 220 A %30, 120 A %100
- 63 V - 82 V
- 1.0 + 1.2 mm / Steel
- Air Cooled , 34 kg
- 4m Power Cable (4 x 2.5mm²)
- 5m Earth Clamp (25mm²)
- Gas Hose (1.5m)
- 260mm x 650mm x 450 mm
- CE

Whether Manual Or Robotic.
Experience 406* welding programs



Pulse

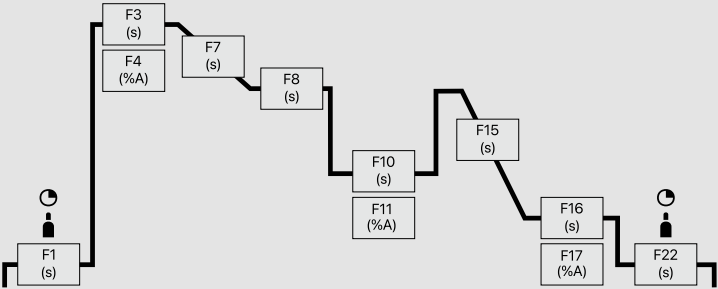


Synergic

Intuitive User Interface

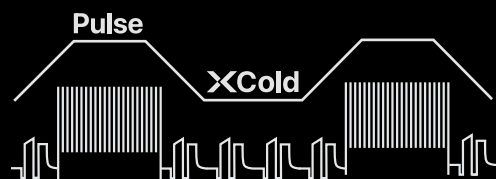
Standard-Pulse		0.8 1.0 1.2 1.6					
CrNi	SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	8	10	12	16	
		Ar+10%CO ₂	18	20	22	26	
		CO ₂ 100%	28	30	32	36	
	318 / 1.4576		38	40	42	46	
	316 / 1.4430		68	70	72	76	
	310 / 1.4842			520	522		
	309 / 1.4332	Ar+2.5%CO ₂	538	540	542	546	
	308 / 1.4316		58	60	62	66	
	307 / 1.4370		48	50	52	56	
	Duplex 2209 1.4462		78	80	82	86	
CuSi		Ar+20%He+2%CO ₂	88	90	92	96	
		Ar100%	178	180	182	186	
	CuSi	Ar+2.5%CO ₂	558	560	562	566	
		Ar100%	188	190	192	196	
		CuAl	Ar100%	198	200	202	206
	CuSi Brazing	Ar+2.5%CO ₂	208	210	212	216	
		Ar100%	218	220	222	226	
		CuAl Brazing	Ar+2.5%CO ₂	228	230	232	236
		Ar100%	118	120	122	126	
		AlMg4,5 Mn	Ar+30%He	128	130	132	136
AlMg3		Ar100%		530	532	536	
		AlSi	Ar100%	138	140	142	146
		Ar+30%He	148	150	152	156	
		Al99	Ar100%	158	160	162	166
		Ar+30%He	168	170	172	176	
	Flux Cored Wire		0.8 1.0 1.2 1.6				
	Steel / FluxCore Metal		Ar+18%CO ₂	238	240	242	246
			Ar+18%CO ₂	248	250	252	256
	Steel / FluxCore Rutil		CO ₂ 100%			262	266
					602		
Steel / FluxCore Basic		Ar+18%CO ₂			272	276	
		Ar+2.5%CO ₂			282	286	
CrNi / FluxCore Rutil		Ar+18%CO ₂			292	296	
		CO ₂ 100%			592		
Steel FluxCore High Str.		Ar+18%CO ₂			720	722	
	Steel / FluxCore Rutil	Self Shielded					
Application							
MIG/MAG Manual			4				
TIG (Lift Arc)			5				
MMA			6				
Gouging			7				

XDeep - Pulse			0.8	1.0	1.2	1.6
CrNi	SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	298	300	302	306
		Ar+10%CO ₂	308	310	312	316
	318 / 1.4576	Ar+2.5%CO ₂	620	622	626	
	316 / 1.4430		640	642	646	
	310 / 1.4842		660	662		
	309 / 1.4332		670	672	676	
	308 / 1.4316		320	322	326	
	307 / 1.4370		632	636		
	Duplex 2209 1.4462		650	652	656	
	AlMg4.5 Mn	Ar100%		332	336	
AlSi	Ar100%		342	346		
Al99	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 G3Si1 / G4Si1		Ar+18%CO ₂		360	362	
		CO ₂ 100%		370	372	
		Ar+10%CO ₂		500	502	
XCold - Pulse			0.8	1.0	1.2	1.6
CrNi	SG2 / SG3 G3Si1 / G4Si1	Ar+18%CO ₂	378	380	382	386
		CO ₂ 100%	388	390	392	
		Ar+10%CO ₂		510	512	
	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		
Al99	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
MIGMAG	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

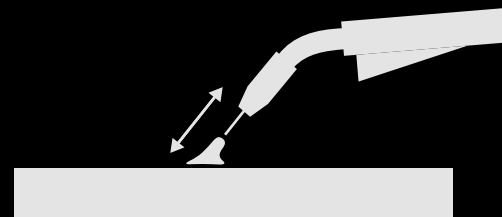
	Function	Description	Min	Max
MMA	F25	Hot start time (s)	0	10
	F26	Hot start current (%)	1	200
	F27	Arc force (-)	-50	+50
	F28	Antistick (s)	0	2
	F29	VRD function (-)	0	1
OTHERS	F34	Tack/stitch mode (-)	0	2
	F35	Cooling mode (-)	0	4
	F36	Motor current (A)	0	-
	F37	Motor current limit (A)	0.7	7
	F38	Auto 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
TIG	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



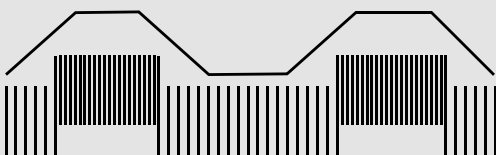
Position



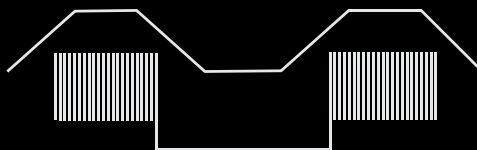
**4x4 Rollers
Wire Drive**



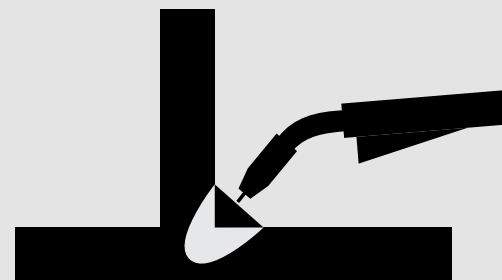
XCStabil



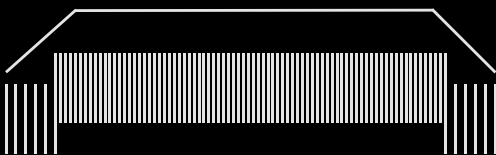
Duo Pulse



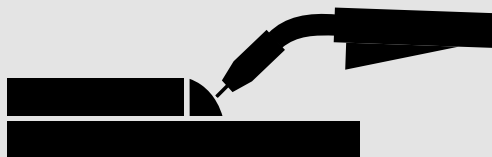
Twin



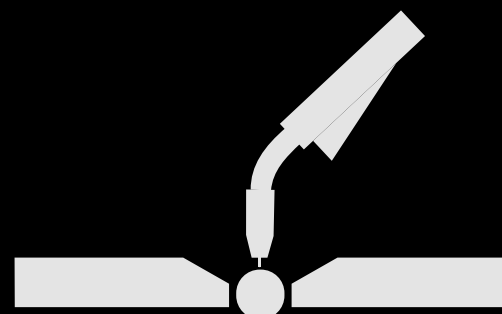
XCDeep



Pulse



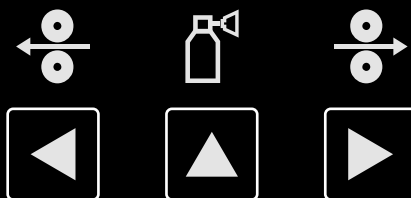
XC Cold



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

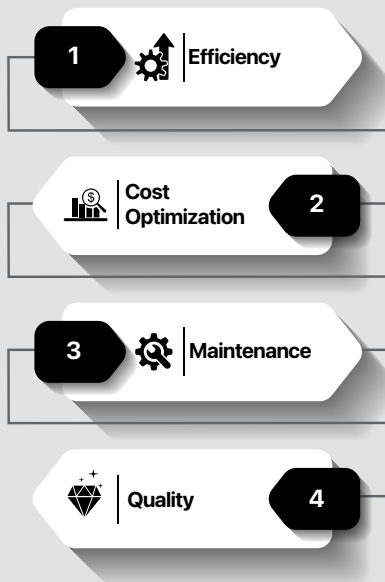
Extension Cable Holder

External Changable Couplings

Double Setscrew Plugs

Brass-Nut Sockets

* Optional

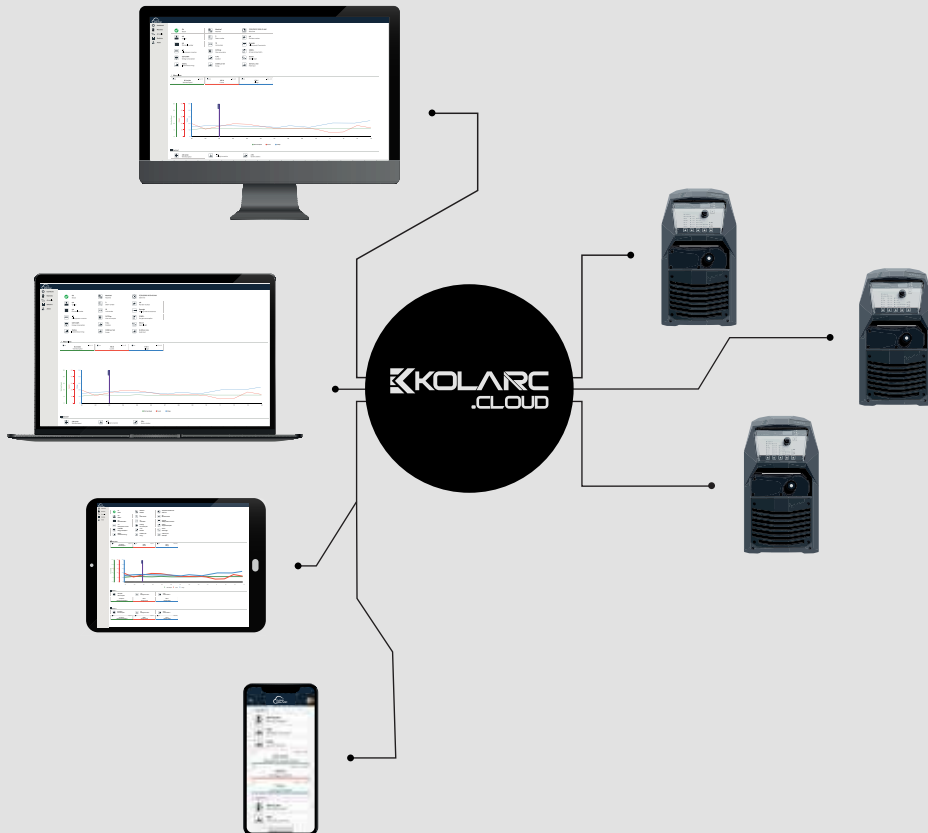


KOLARC
.CLOUD

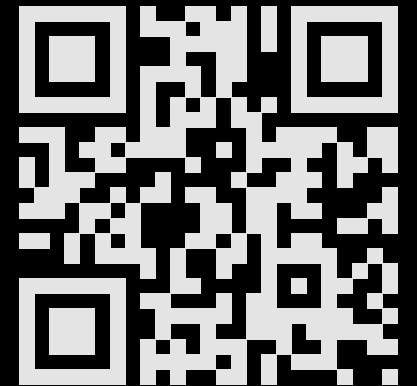
WiFi Bluetooth

LoRaWAN N

Ethernet
USB Type-C



KOLARC



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