



Main Applications

- Steel metal sheet
- Construction and shipyards
- Oil and gas pipe welding
- On site welding

Advantageous

- Japanese compact design, delivers highly reliable welding results of impeccable quality
- The latest Japanese rectifier technology to produce excellent welding characteristic for CO2 and mixed gas mig mag welding
- A reliable choke transformer is optimally produced for better welding and less spatter
- Fine and coarse voltage adjustment
- Continuous welding and spot welding, with spot time
- Interval welding, with welding and interval time
- Post gas and burn back adjustment
- Gas test and wire inching
- Inclined wire spool hub for smooth wire transfer and better welding result
- Internal components are protected from damage by thermal overload protection which automatically shuts down the unit
- Rugged industrial wire feeder system, with two geared feed rolls, quick change reversible drive rolls and easy to set scaled tension knob
- 2 connections for inductance (for KM 285)
- Easy load gas cylinder with lowered platform
- Double fan for maximum cooling system

Specifications	KM 220 D	KM 285 D
Welding range	20 - 220 A	20 - 285 A
Load voltage	15 - 25 V	15 - 28.2 V
Open circuit voltage	31 V	36 V
Voltage settings	10	2 x 10
Duty cycle at max. current	30 %	40 %
Welding current at 100 % duty cycle	120 A	180 A
Weldable steel wire	0.8 - 1.0 mm	0.8 - 1.2 mm
Weldable aluminum wire	0.9 - 1.0 mm	0.9 - 1.2 mm
Wire feed rate	1 - 17 m/min	1 - 17 m/min
Input Phase	1 Phase	3 Phase
Main voltage, Tolerance	220 V, ± 10 %	380 V, ± 10 %
Frequency	50 / 60 Hz	50 / 60 Hz
Main fuse (slow - blow)	35 A	16 A
Max. power consumption 220 V	7.7 KVA	10.5 KVA
Power factor	0.87	0.96
Index protection	IP 21	IP 21
Insulation class	H	H
Cooling type	F	F
Noise emission	< 75 dB (A)	< 75 dB (A)
Dimension (L x W x H)	850 x 365 x 680 mm	850 x 390 x 725 mm
Weight without accessories	75 Kg	90 Kg

Mig Mag Step Switch - Compact



KM 220 D

KM 285 D



Item Code	Item Name	MoQ
101.04.002.1	KM 220 D - Mig Mag Package	1 Set
101.04.002.2	KM 220 D - Mig Mag Package for Alu	1 Set
101.05.001.1	KM 285 D - Mig Mag Package	1 Set
101.04.003.2	KM 285 D - Mig Mag Package for Alu	1 Set

- Feedroll for Steel Ø 0.6 / 0.8 mm - 1 pcs
- Gas Nipple size 1/4" - 1 pcs

Item Code	Item Name	MoQ	101.04.002.1	101.04.002.2	101.04.003.1	101.04.003.2
Standard Accessories						
101.04.002	Mig Mag Step Switch - Compact - KM 220 D	1 Unit	•	•		
101.04.003	Mig Mag Step Switch - Compact - KM 285 D	1 Unit			•	•
201.11.004	Plug to Ground Clamp 300 A, 35 mm2 at 3 m - KM 285 & KMD 285	1 Set	•	•	•	•
201.03.005	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.8 & 1.0 mm	1 Pc		•		
201.23.002	CO2 Gas Regulator	1 Pc	•		•	
201.23.001	Argon Gas Regulator	1 Pc		•		•
208.12.001	Regulator Gas Hose - Blue at 1.5 m	1 Set	•	•		•
208.12.002	Interpass Gas Hose - Blue at 3 m	1 Ser			•	

Standard Alternative

203.02.001	Mig Torch - Ergoplus 15 at 3 m long	1 Set	•	•	•	•
203.02.002	Mig Torch - Ergoplus 15 at 4 m long	1 Set	•	•	•	•
203.03.001	Mig Torch - Ergoplus 24 at 3 m long	1 Set			•	•
203.03.002	Mig Torch - Ergoplus 24 at 4 m long	1 Set			•	•
203.03.003	Mig Torch - Ergoplus 24 at 5 m long	1 Set			•	•
203.12.006	Blue Teflon Liner 5 m + Copper Liner - Aluminum Ø 0.8 - 0.9 mm	1 Set		•		•
203.12.007	Red Teflon Liner 5 m + Copper Liner - Aluminum Ø 1.0 - 1.2 mm	1 Set		•		•
203.12.009	Blue Teflon Liner 4 m + Copper Liner - Aluminum Ø 0.8 - 0.9 mm	1 Set		•		•
203.12.010	Red Teflon Liner 4 m + Copper Liner - Aluminum Ø 1.0 - 1.2 mm	1 Set		•		•
203.12.012	Blue Teflon Liner 3 m + Copper Liner - Aluminum Ø 0.8 - 0.9 mm	1 Set		•		•
203.12.013	Red Teflon Liner 3 m + Copper Liner - Aluminum Ø 1.0 - 1.2 mm	1 Set		•		•
201.03.001	Feed Roll KM & KMD Ø 35 mm - Steel Ø 0.6 & 0.9 mm	1 Pcs			•	
201.03.002	Feed Roll KM & KMD Ø 35 mm - Steel Ø 0.8 & 1.0 mm	1 Pcs			•	
201.03.006	Feed Roll KM & KMD Ø 35 mm - Steel Ø 1.2 & 1.6 mm	1 Pcs			•	
201.03.007	Feed Roll KM & KMD Ø 35 mm - Flux Cored Ø 1.2 & 1.6 mm	1 Pcs			•	
201.03.005	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.8 & 1.0 mm	1 Pcs				•
201.03.004	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 0.6 & 0.9 mm	1 Pcs				•
201.03.006	Feed Roll KM & KMD Ø 35 mm - Aluminum Ø 1.2 & 1.6 mm	1 Pcs				•

General Accessories

201.22.009	Welding Helmet - Solarmatic Blue	1 Set	•	•	•	•
201.22.010	Welding Helmet - Solarmatic Red	1 Set	•	•	•	•
201.22.011	Welding Helmet - Solarmatic Green	1 Set	•	•	•	•
208.18.002	Torch Holder - MIG	1 Pcs	•	•	•	•
315.01.002.1	Metallotion Protec CE 15 L at 20 ltr, Package	1 Liter	•	•	•	•
336.01.001	Antispatter Spray - Distac Weld 400 ml - Siliconi	1 Can	•	•	•	•
336.01.002	Antispatter Paste - Pasta Welding 300 ml - Siliconi	1 Can	•	•	•	•
336.01.003	Antispatter Spray - Ceramstak 400 ml - Siliconi	1 Can	•	•	•	•