



Master 315 G

M315G

300 A stick welding power source suitable for generator use. Equipped as standard with a full-color 7-inch TFT display. When connected to a Flexlite TX 223GVD13 torch, Master 315 provides an excellent power source for quality DC TIG welding.

Technical data

Description	Value
Mains connection voltage	380...460 V ± 10 %
Mains connection phases	3~50/60 Hz
Mains connection cable type	4G, H07RN-F
Mains connection cable size	2.5 mm ²
Maximum supply current [I _{lmax}]	15 A...18 A
Effective supply current [I _{leff}]	10 A...12 A
Rated maximum input power [S _{lmax}]	12 kVA

Description	Value
Mains fuse	16 A
No-load voltage (MMA) [Ur]	50 V
No-load voltage (MMA) VRD [Ur VRD]	23 V
Open circuit voltage (MMA) [Uav]	50 V
Output, duty cycle % at rated max. current, TIG	40 %
Output at +40 °C, rated max current, TIG	300 A
Output at +40 °C, 60% TIG	260 A
Output at +40 °C, 100% TIG	220 A
Output, duty cycle % at rated max. current, MMA	40 %
Output at +40 °C, rated max current, MMA	300 A
Output at +40 °C, 60% MMA	260 A
Output at +40 °C, 100% MMA	220 A
Output range, TIG	3 A / 1 V ... 300 A / 22 V
Output range, MMA	10 A / 10 V ... 300 A / 63 V
Power factor at rated maximum current [λ]	0.89
Efficiency at rated maximum current [η]	87 %
EMC class	A
Minimum short-circuit power of supply network [Ssc]	2.1 MVA
Arc-on signal for relay	24 V / 50 mA
Stick electrode diameter	1.6 mm...7 mm
Welding connection type	DIX
Wired communication type	Analog, Kemppi Remote-Bus
Wireless communication type	Bluetooth
Transmitter frequency and power	2400...2483.5 MHz, 10 dBm
Operating temperature	-20 °C...40 °C
Storage temperature	-20 °C...60 °C
Recommended minimum generator power [Sgen]	20 kVA
Degree of protection (fully installed)	IP23S
External dimensions, length	544 mm
External dimensions, width	205 mm
External dimensions, height	443 mm
Weight without accessories	21.4 kg
Standards	IEC 60974-1,-3,-10, IEC 61000-3-12, GB 15579.1