



Ultrasonic hand welding module HSM 35))



- Digital generator technology up to 1000W power.
- Optimized safety for highest reliability – robust and approved
- Long-lasting constancy of frequency, amplitude and power
- User friendly process control with different welding modes (time/power/energy)
- Ergonomic and light, ideal for riveting, swaging, cutting and spot welding

Specifications HSM 35

	HSM 35 TP	HSM 35 TP2
Connection	Plug-in	Plug-in
Hand grip	Ergonomically formed plastic hand grip with start button	Bar-shaped aluminum housing with start button
Converter	Piezoelectric titanium converter for 35 kHz with anodized aluminum-housing and air connection for converter and sonotrode cooling if necessary	
Weight	750 g	850 g
Dimension	160 x 185 x 54 mm	220 x Ø50 mm
Power	400 or 1000W	400 or 1000W
Cable length	3 and 6 m	3 and 6 m



The pluggable, compact, light and ergonomic ultrasonic hand welding module HSM 35 was designed for the flexible application in plastic joining technology. If cycles are high or when having long weld times the converter can be cooled connecting air pressure to the air supply on the converter housing. This way the optionally perforated converter head also cools the sonotrode. The hand welding module can be combined with different generators of the series SONIC DIGITAL.

Specifications ultrasonic generators

Type:	LC PREMIUM	MP MODUL PREMIUM Modul design
Power:	400 or 1000 Watt	400 or 1000 Watt
Frequency:	35 kHz	35 kHz
Electrical supply:	230V – 60/60 Hz 1-phase	230V – 60/60 Hz 1-phase
Display:	illuminated LCD- Multifunctional display and status signal	illuminated LCD- Multifunctional display and status signal
Operation:	Simple operation through turning knob	Simple operation through turning knob
Welding modes:	Welding process can be regulated via modes time, power and energy	Welding process can be regulated via modes time, power and energy
Safety function:	Protection against idling and over-load; intelligent cooling system	Protection against idling and over-load; intelligent cooling system
Housing:		TTE28 (LxWxH): 235 x 205 x 400 mm



Generator – Individual welding modes:

Time: Welding process stops after reaching the set time.

Energy: Welding process stops after reaching the set max. energy.

Power: Welding process stops after reaching the set max. power.

When reaching the set parameters the generator gives a ready signal (visualized on the display).

Support activities:

- Consulting of application engineering
- Product research and development
- Joint design consulting
- Welding trials in our application laboratory
- Sonotrode design using Finite elements (FEA)
- Sonotrode manufacturing
- Pilot-run series and small series production
- Toll manufacturing