



EMF DATASHEET FOR ARC WELDING POWER SOURCE

EQUIPMENT INFORMATION

Manufacturer Fronius
Model TPS 500i; TPS 500i /nc; TPS 500i /MV/nc; TPS 500i /600V/nc
Model Number 4,075,176; 4,075,176,800; 4,075,176,830; 4,075,176,970
Intended use occupational by laymen

BASIC INFORMATION

Applied Regulations Directive 2014/35/EU
Referenced Limits Directive 2013/35/EU, Recommendation 1999/519/EC
Applied Standards EN 62822-1:2016, EN 62822-2:2016

Non-thermal effects need to be considered for the workplace assessment yes no
Thermal effects need to be considered for the workplace assessment yes no

- Data based on maximum power source capability
- Data based on worst case setting/program
- Data based on multiple settings / programs

COMPLIANCE SUMMARY

Compliance with ELVs for health effects at standardized configurations yes no
Compliance with ELVs for sensory effects at standardized configurations yes no
All values below the Action Levels at the standardized configurations yes no

NON-THERMAL EFFECTS

	HEAD		TRUNK	LIMB HAND	LIMB THIGH
	SENSORY EFFECTS	HEALTH EFFECTS			
Standardized distance	10.00 cm	10.00 cm	10.00 cm	3.00 cm	3.00 cm
EI at standardized distance	0.44	0.39	0.64	0.36	0.83
Required minimum distance	3.00 cm	3.00 cm	5.00 cm	1.00 cm	3.00 cm

Distance where all EIs fall below 20: % 50.30 cm
Distance where compliance with general public limits is reached: 5.00 m