



# EMF Assessment

Issued by: Fronius International GmbH  
 Valid from: 2024-10-14      Revision: 0

## Equipment Info

Brand name: Fronius  
 Model name(s): Artis 170, Artis 170 XT  
 Model number(s): 4,075,271,xxx  
 Intended use:  for occupational use       for use by layman

## Basic Info

Applied regulation: Directive 2014/35/EU  
 Referenced limits: 2013/35/EU, 1999/519/EC (for general public)  
 Applied standard(s): IEC 62822-1:2016, IEC 62822-2:2016

Non-thermal effects need to be considered for workplace assesment       YES       NO  
 Thermal effects need to be considered for workplace assesment       YES       NO  
 Data is based on maximum power source capability (valid unless firmware / hardware changed)  
 Data is based on worst case settings / program (valid until options / program changed)  
 Data is based on multiple settings / programs (valid until options / program changed)

## Compliance information summary

Compliance with the exposure limit values for health effects at standardized configurations       YES       NO  
 Compliance with the exposure limit values for sensory effects at standardized configurations       n.a.       YES       NO  
 All values below the action levels at the standardized configurations       n.a.       YES       NO

## EMF data for non-thermal effects

Exposure indices (EI) and distances to welding circuit (for each operation mode, as applicable)

	health head	health trunk	health thigh	health hand	sensory head
Standardized distance [cm]	10.00	10.00	3.00	3.00	10.00
EI at standardized distance	0.12	0.19	0.25	0.11	0.11
Required minimum distance [cm]	0.50	1.00	0.50	1.00	0.50

Distance where all EI fall below 20 %: 9.00 cm  
 Distance where compliance with general public limit is reached (as applicable) 500.00 cm