CURRENT DISTRIBUTION MEASUREMENT AMMETER CLAMP – OPENING BY ROTATION

PAR-ROT

PAR - ROT

FUNCTION

The **PAR-ROT** ammeter clamp was developed for the aluminum industry in order to control the cathodic or anodic distribution of the electrolysis tanks. Especially for last powerfull electrolysis tanks with reduced dimensions.

Associated with an EDP-FLUX Portable Datalogger manufactured by Serem Electronics, you could take direct current measure up to 40 KA

Its shape, its length and its slim width, allows you to take measurements, on the cathodic conduction bars, and around anods.

Improvement

- Aperture size
- Std Max SQUARE bar dimensions :
  Widht 300mm x Height 260mm
- On special request Max SQUARE bar dimensions :
  Widht 500mm x Height 360mm
- Length. **Up to 2500mm**
- Thickness : **25 mm**
- Temperature resistance

SPECIFICATIONS

Inox & Aluminum body

Handles made out of polyamide

Lamps for measurement area

Electric insulation: 2kV

Maximum temperature when in temporary use: 500°C

Ambient temperature when in use: 150°C

Thickness (tube and lower part): 25mm

Interior dimensions of the toroid: see below

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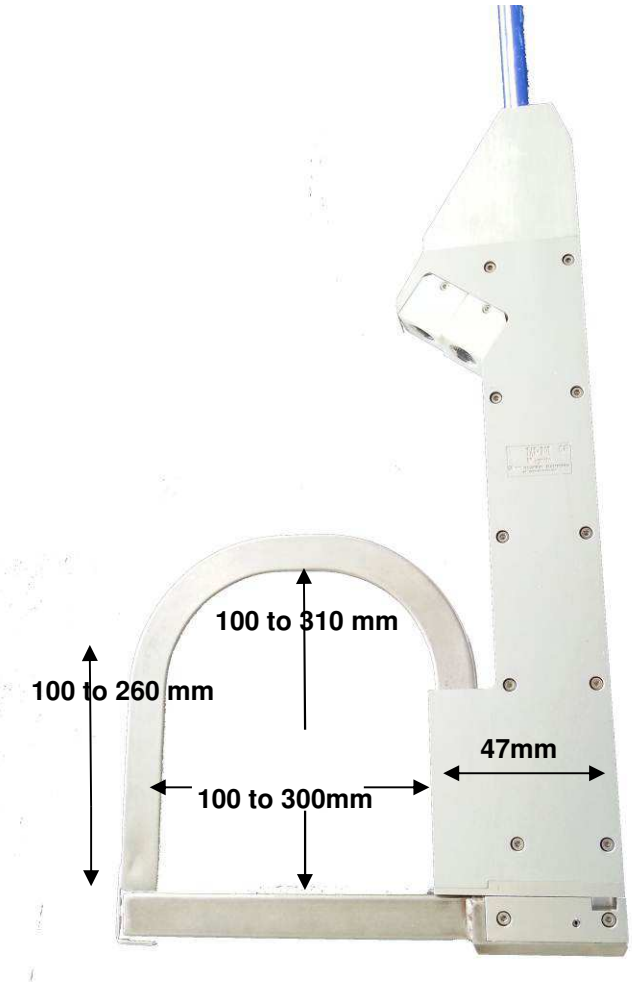
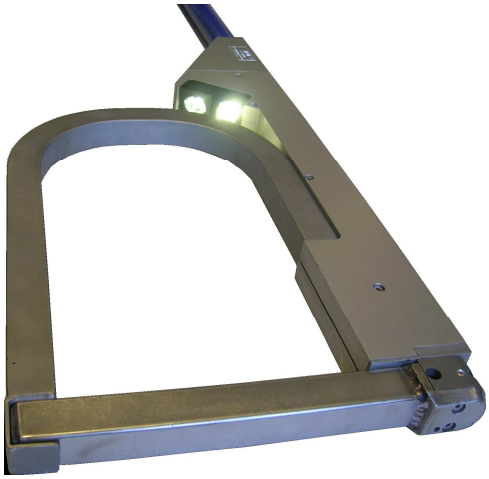
STD DIMENSIONS





REQUIRED DIMENSIONS

Designation	Label	Dimension range
Clamp Width	W	100mm<W<300mm
Clamp Height	H	100mm<H<260mm (SQUARE) =310mm (U TOP)
Thickness	t	t>27mm
Required size on the Side	S	S>50mm
Size to Open the clamp. Aperture size.	O	O>W+100mm

Fig.1

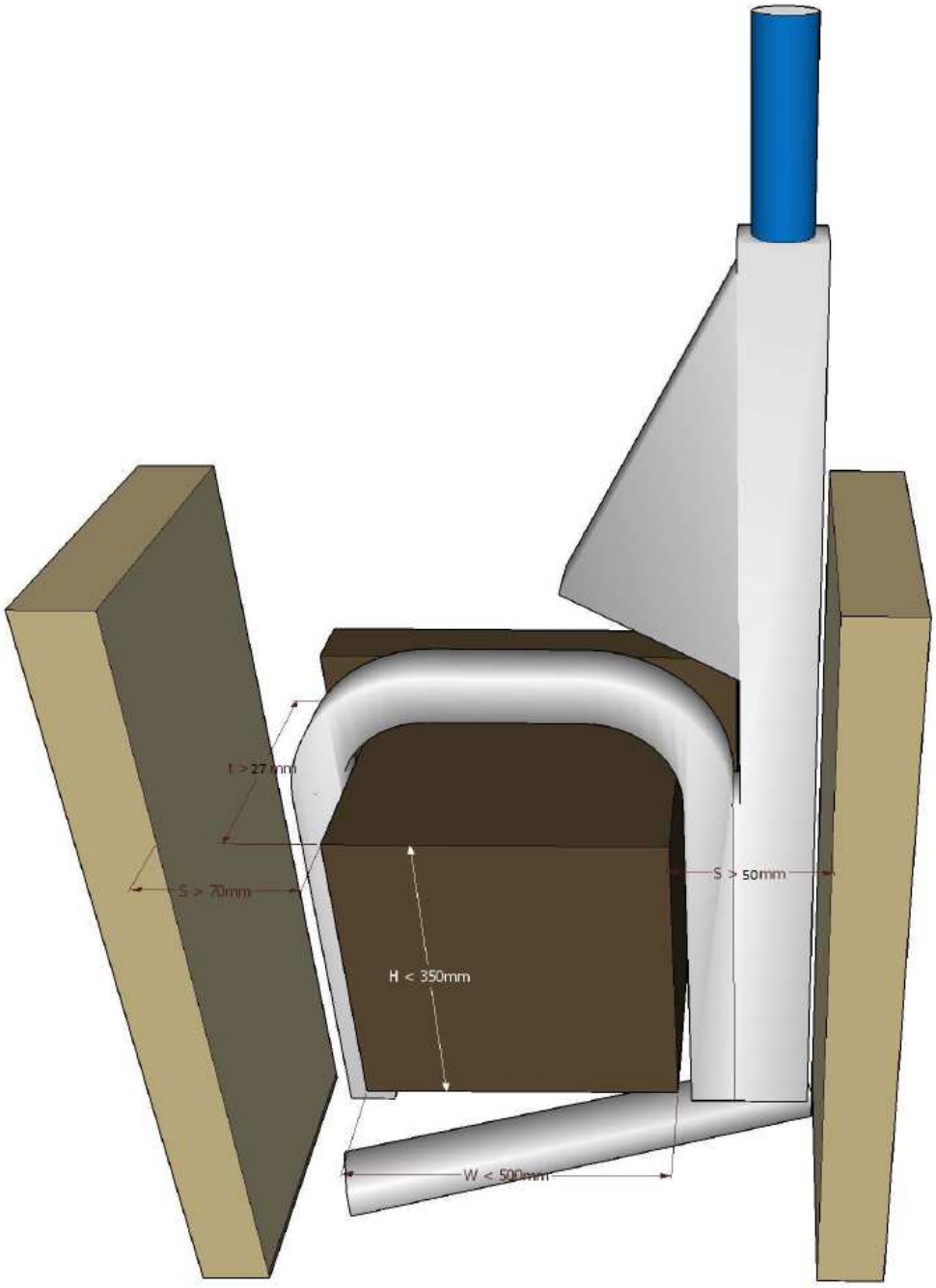
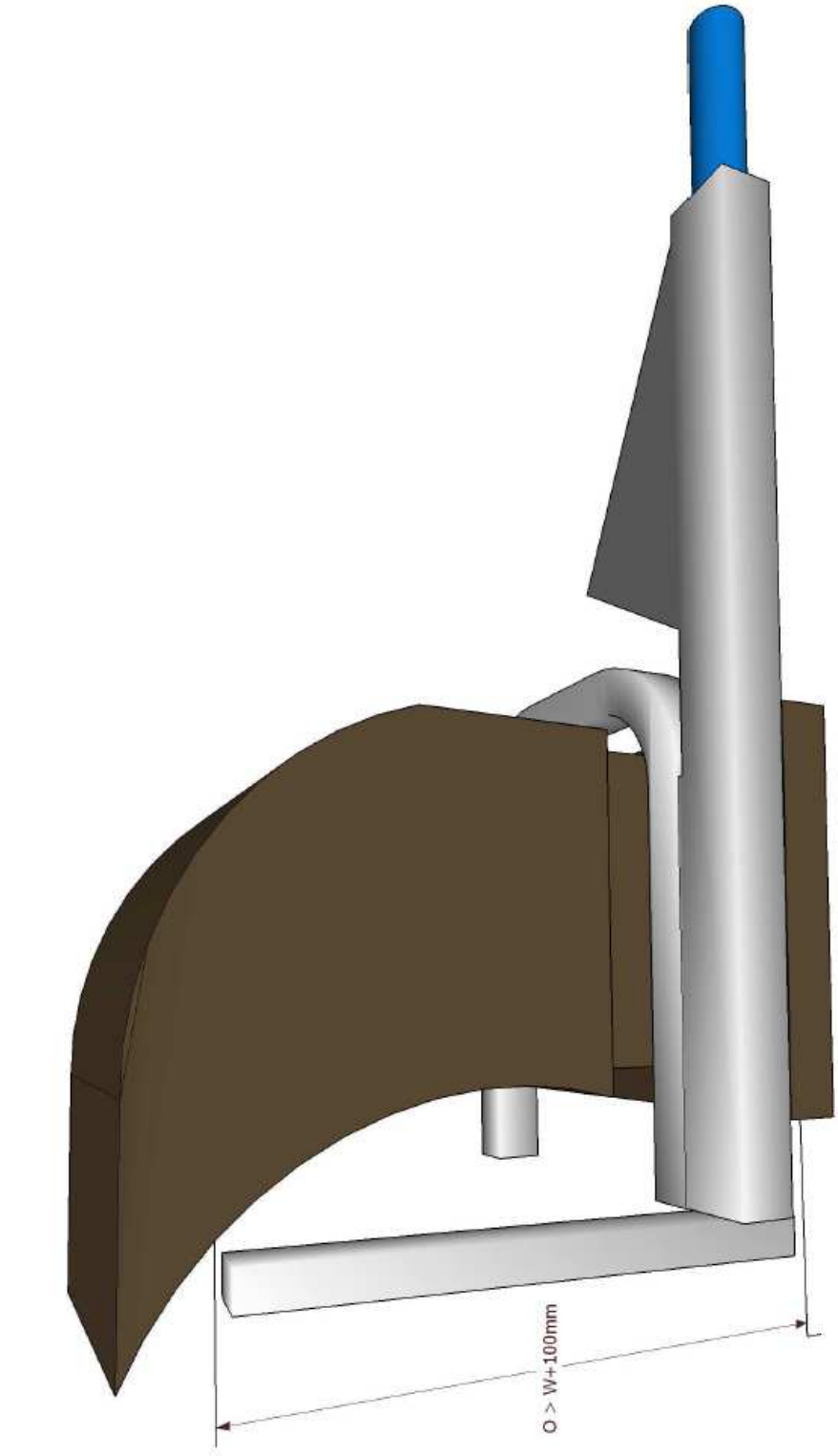


Fig.2



HOW TO ORDER

PAR - ROT					
Bar Width	**Clamp width**	**Bar Height**	**Clamp height***	**Clamp length**	**Reference**
150 mm	**173mm**	150 mm	**200mm (50mm added as recommended)**	2000 mm	PAR-ROT-173-200-2000
220 mm	**243mm**	220 mm	**220mm**	2300 mm	PAR-ROT-220220-2300
wbar	W=wbar+23 mm	h	H=hbar mm (Recommended add 50mm)	LLLL mm	PAR-ROT-WWW-HHH-LLLL

* Eventually increase the height to enable the opening of the clamp. See fig 2.

We recommended to add 50mm to the height of the bar

PAR ammeter clamp could be associated with :

The EDP-FLUX Portable Datalogger
Allows you to read and record all direct current and voltages measurements