

GLP 230

ESE LIGHTNING ARRESTER



Empowering Safety with Next-Generation ESE Lightning Protection Technology

- Advanced Triggering Technology
- Large Protection Radius
- Stainless Steel Construction
- No External Power Supply
- LCOE Certified Performance
- High Durability and Reliability
- Low Maintenance
- IoT Compatibility



3RD GENERATION EARLY STREAMER EMISSION LIGHTNING ARRESTER



GLP 230® Early Streamer Emission Arrester Technical Specifications

Efficiency	ΔT	60 μs
Standard deviation ESE / Single Rod	σ	$\sigma_{PDA} < 0.44 \sigma_{PTS}$
Lightning current withstanding test (10/350 μs)	I_{imp}	125kA (normative test)
Max. current withstanding test	I_{max}	230 kA (Unicamp)
Detection of downward leader	Continuous measuring of electric field gradient ($\Delta E/\Delta t$)	
Upward streamer development conditions	Surge Monitor® technology optimizing the streamer development conditions	
Upward streamer emission	Sparking by High Voltage Impulses	
Internal circuits	6 independent and synchronised modules	
Metal housing	Stainless Steel 316, Electromagnetic shielding	
Operating Temperature	-15°C to + 55°C	
Dimension	Length 705mm, Main Pole Dia : 14mm and 20mm Stainless Steel Rod, ESE Chamber Dia- 130mm	
Weight	3 Kg including base and clamp	
Standards	CE, ISO, EN 62 561-6:2018 Edition 2	