

# GLP 225

## ESE LIGHTNING ARRESTER



**SURGE MONITOR IoT DEVICE**

**REMOTELY MONITOR YOUR LPS VIA INTERNET**  
o SATELLITE o GSM 2G/3G/4G/4.5G o GPS



GSM



Satellite



Mobile App



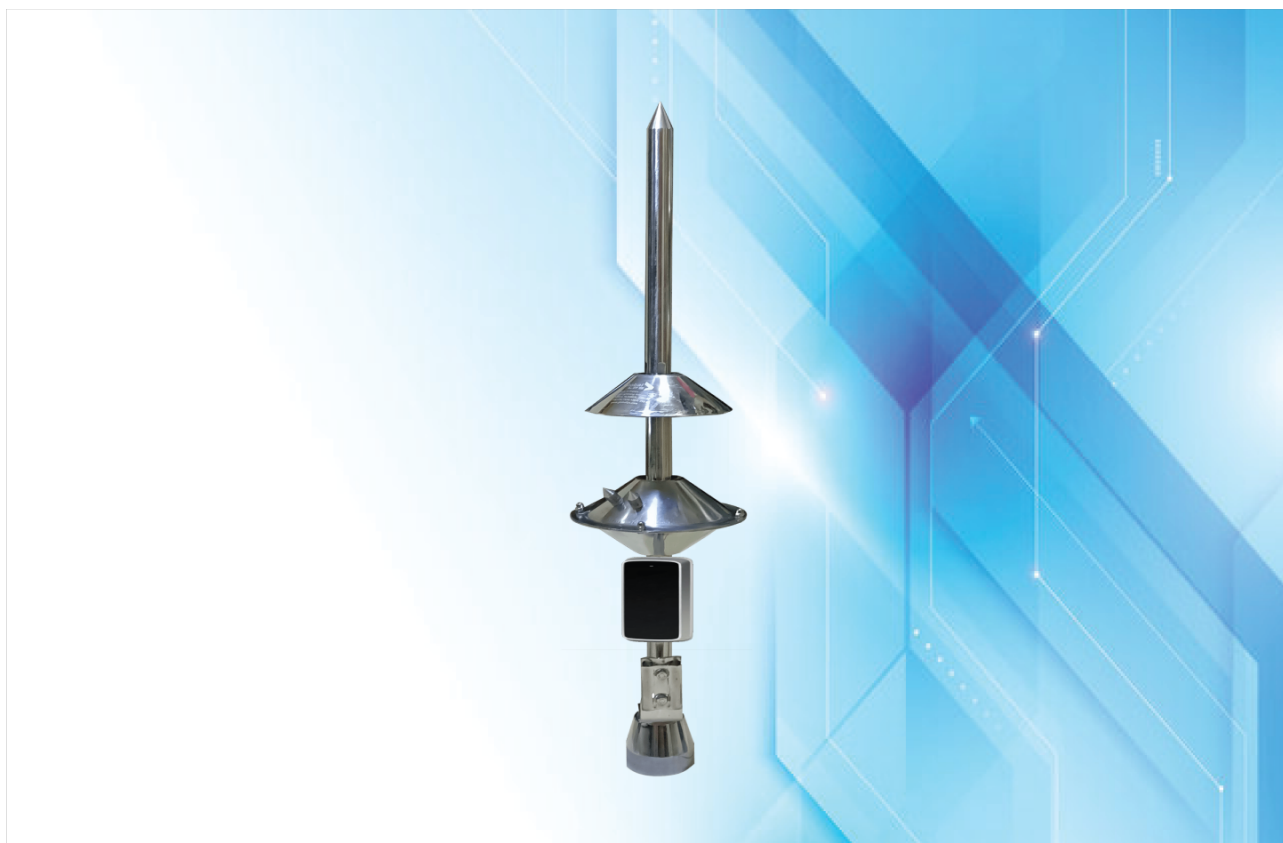
Google Map



Wifi/Bluetooth



## EARLY STREAMER EMISSION (ESE) LIGHTNING ARRESTER SURGE MONITOR-INTEGRATED IOT CONNECTED



### GLP 225® Early Streamer Emission Technical Specifications

Efficiency	$\Delta T$	60 $\mu s$
Standard deviation ESE / Single Rod	$\sigma$	$\sigma_{PDA} < 0.44 \sigma_{PTS}$
Lightning current withstanding test (10/350 $\mu s$ )	$I_{imp}$	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 225mm, Main Pole Dia : 25mm Stainless Steel Rod ESE Chamber Dia- 165mm	
Weight	4.5 Kg	
Standards	CE, ISO, EN 62 561-6:2018 Edition 2	

# EARLY STREAMER EMISSION (ESE) LIGHTNING ARRESTER SURGE MONITOR-INTEGRATED IOT CONNECTED

## SURGE MONITOR IoT DEVICE



### Surge Monitor Integrated IoT Device Technical Specifications

Surge Monitor Integrated IoT Device remote information	via <a href="http://www.track.globalps.com">www.track.globalps.com</a> : <ul style="list-style-type: none"><li>-ESE Lightning rod status (Active or Not Active)</li><li>-Location (Latitude, Longitude and Altitude)</li><li>-Battery level (%)</li><li>-Temperature</li><li>-Thunder Stroke Count with time</li></ul>
Communication	GSM/GPRS Quad-Band compatible 2G and above/ LTE Support International SIM Card, Satellite
Power Supply	High Performance LiFePo4 Battery 3x3500mA.h – 3.7V
Lightning Strike Counter	Integrated Type 1 Lightning Strike Counter Patented contactless counting technology $I_{imp\ min} = 1.5kA$ $I_{imp\ max} = 160kA$
Battery Charge	Polystalline Epoxy-coated Solar panel
Event Notification	Optional: Thunder Count, Theft or Movement Alert Wind Speed, Low Battery
3rd Party Device compability	Compatible to third party Lightning Arrester (condition apply)



GSM



Satellite



Mobile App



Google Map



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