

Prevectron 3® S40T & S40TC

REMOTE-TESTING

EARLY STEAMER EMISSION AIR TERMINAL (ESE)

Reference		P1523T (Without counter)	P1523TC (including counter)
Prevectron 3® Early Streamer Emission Technical Specifications			
Efficiency	ΔT	40 μs	
Standard deviation ESE / Single Rod	σ	$\sigma_{PDA} < 0.57 \sigma_{PTS}$	
Lightning current withstanding test (10/350 μs)	I_{imp}	100kA (normative test)	
Max. current withstanding test	I_{max}	200 kA (Unicamp)	
Detection of download leader		Continuous measuring of electric field gradient ($\Delta E/\Delta t$)	
Upward streamer development conditions		Patented OPTIMAX® technology optimizing the streamer development conditions	
Upward streamer emission		Sparking by High Voltage Impulses	
Internal circuits		3 independent and synchronised modules	
Central rod		Full electrical continuity 200mm ² section – Nickel plated Copper	
Detection of download leader		Stainless Steel 316, Electromagnetic shielding	
Maintenance		Replaceable modules (factory)	

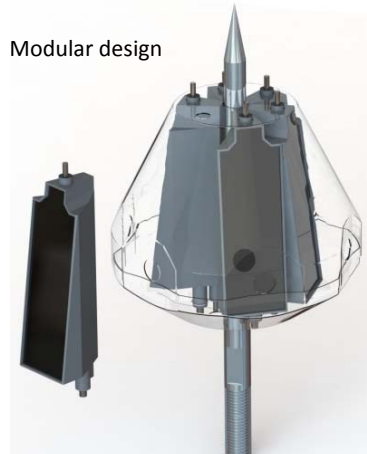
Prevectron 3® Remote Testing Module Technical Specifications			
On-site working conditions testing	Remote testing Module réf.P1591 (not included) : -ESE Lightning conductor condition -Solar Remote Testing Unit battery level		
Remote Testing Module / ESE Lightning Conductor Communication Protocol	Radio-frequency communication HF 2.4GHz Range = 100m/330 ft		
Power Supply	High Performance Li-Fe-Po4 Battery 3 200mA.h - 3,2V		
Battery Charge	Monocrystalline Glass-coated Solar panel		
Counter (option - ref P1523TC)	Integrated Lightning Flash Counter Patented contactless counting technology		
Remote Testing Module central rod	Full electrical continuity 315 mm ² section – Nickel plated Copper		
Remote Testing Module / Precvectron connection	Fast Connect Technology Plug-in system		
Maintenance	Battery Replacement Kit réf. P1599		

PREVECTRON 3® S40



REMOTE TESTING
MODULE
PREVECTRON 3®

Modular design



Accessory (not included)
Testing Remote Control P3 T réf P1591



DOC268a.VEN-Rev0



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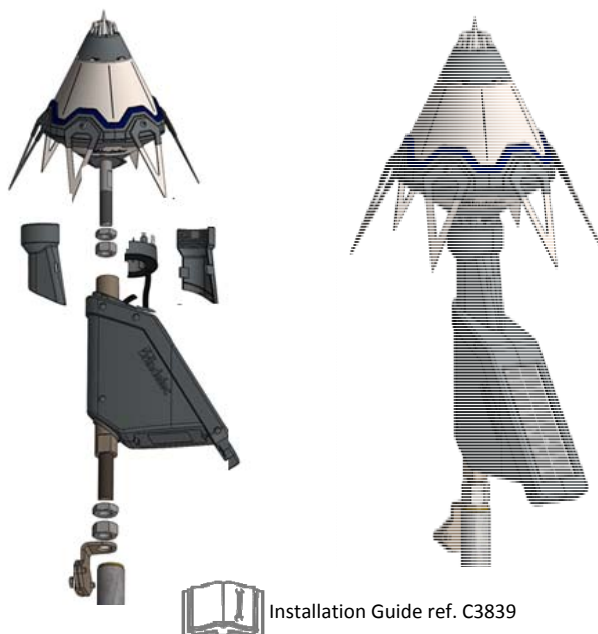
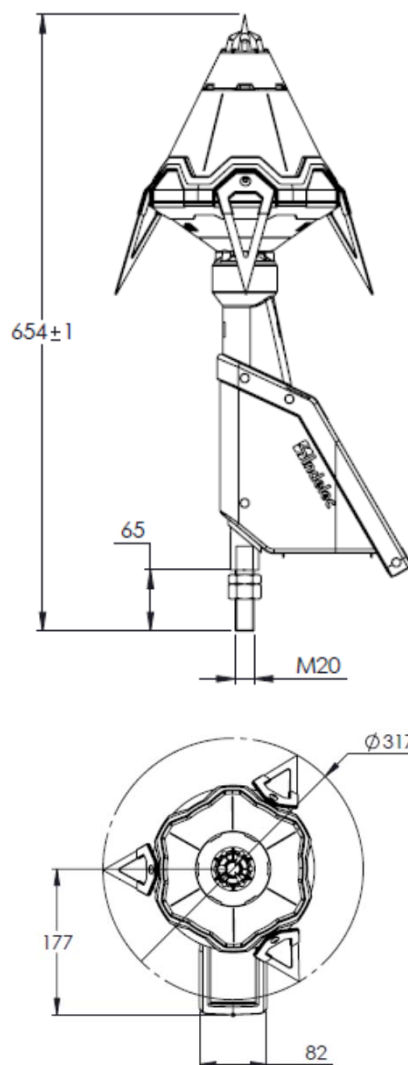
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EARLY STEAMER EMISSION AIR TERMINAL (ESE)

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Fixing on pole	M20 Thread	
Down-conductor clamp	Proprietary clamp included	
Packing		
Dimensions	485 x 262 x 435 mm	
Gross Weight	7.650 kg	7.750 kg
Warranty		
Warranty (excluding Remote testing module battery)	5 years	
Certificates - Standards		
NF C 17 102:2011, Annex C	Bureau Veritas certificate N°6275241/2/1/1	
Qualifoudre	Ineris certificate N° N°051166662001	
CE Marking	Declaration of Conformity N°IND-CE-21092015-A (Prevectron®3 Lightning conductor)	
Underwriter Laboratories (UL)	UL Certified E478687 (Prevectron®3 Lightning conductor)	
Lightning Flash Counter (option - ref P1543TC)	EN 50 164-6 & 62 561-6 Standards	
Eco Label	AFAQ N°1335.2 11/2014 Certificate	
ISO 9001 : 2015 (Quality System)	Bureau Veritas certificate	

Dimensions (mm)



Installation Guide ref. C3839



Accessory (not included)
Testing Remote Control réf P1591



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