

# SATELIT 3



The Early Streamer Emission Lightning Conductor Including Teletesting supervision. This third generation of the Duval Messien "Satelit" range uses this technology to force the lightning strike to follow a predetermined path towards the earthing system. The Satelit 3 concept consists of polarising the lightning conductor tip with a voltage of between 35 kV and 45kV, synchronised with the progress of the descending tracer, and of triggering an anticipated start for the ascending tracer. With its Satelit 3, Duval Messien is offering a ground-breaking development by introducing a remote system testing facility: the TELETESTER-S3. Satelit 3 has been designed inside a 304L grade Stainless Steel shell in order to guarantee high resistance to impact, corrosion and chemical agents. The electronic components selected for the Satelit 3 are completely protected inside an inert resin block. The spark gap is designed to conduct currents greater than 180 kA. Satelit 3 is powered by a Ni-MH type battery, continuously recharged by indestructible, flexible solar cells.



## CERTIFICATIONS

The Bazet Test Center (COFRAC approved) under Lloyd's Register control (the certified European body).

# TARAN

Taran is a 2nd generation ESE type of 'active' lightning conductor that provides zonal protection in accordance with the French Standard NFC 17-102.

- It is a sturdy robust device made of 316L Stainless Steel.
- It is highly resistant against impact, corrosion and chemical agents.
- Maintenance free, compact and easy to install.
- Needs no external power source.
- Warranty for 2 years on manufacturing defects.
- Analog or Digital Lightning Strike Counter's are available on request.

## CERTIFICATIONS

- ICMET – Romania.
- CITEL – France.
- CPRI – India.
- TUV Rheinland – India.

Weight : 2.4 kg



# TARAN / SATELIT 3

## RADIUS OF PROTECTION



LA MODEL	TIP HEIGHT OF ESEAT (IN METERS)								LA MODEL
	2	4	5	7	10	15	20	30	
	LEVEL 1 RADIUS OF PROTECTION (IN METERS)								
SATELIT 3 - 25	17	34	42	43	44	45	45	45	-
SATELIT 3 - 45	25	51	63	64	64	65	65	65	-
SATELIT 3 - 60	32	64	79	79	79	80	80	80	TARAN-60
	LEVEL 2 RADIUS OF PROTECTION (IN METERS)								
SATELIT 3 - 25	20	40	49	50	51	53	54	55	-
SATELIT 3 - 45	30	60	71	71	72	73	74	75	-
SATELIT 3 - 60	34	68	86	87	88	89	89	90	TARAN-60
	LEVEL 3 RADIUS OF PROTECTION (IN METERS)								
SATELIT 3 - 25	23	46	57	59	61	63	65	68	-
SATELIT 3 - 45	34	64	81	82	83	85	86	89	-
SATELIT 3 - 60	40	78	97	98	99	101	102	104	TARAN-60
	LEVEL 4 RADIUS OF PROTECTION (IN METERS)								
SATELIT 3 - 25	26	52	65	66	69	72	75	80	-
SATELIT 3 - 45	36	72	89	91	92	95	97	101	-
SATELIT 3 - 60	44	87	107	108	109	111	113	116	TARAN-60