



MT Series

Multi-Tap Medium Voltage

Surge Protective Device



Multi-Tap Medium Voltage Parallel Suppressor allows on-site reconfiguration of suppressor to match changing customer voltage requirements. Specifically designed for Oil & Gas, Water, Chemical, Large Industrial & Heavy Duty Applications at Service Entrance, Distribution and Individual Equipment.

Specifications

- Surge Current Rating
 - 160kA per phase
- Proven 'large block' 40mm MOV Technology
- Protection Modes: All Modes L-L & L-G
- Directly connected MOV suppression elements
- NEMA 4 (IP66) Heavy Gauge Steel Enclosure
- Dimensions
 - 41cm (16") X 35.5cm (14") X 15.5cm (6")
- Weight:
 - 34.5kg (75 Lbs)
- Relative Humidity Range: 0 – 100% Non-Condensing
- Operating Frequency: 50Hz, 60Hz
- Operating Temperature: -40°C (-40°F) to +85°C (+185°F)

Quality

- Seven (7) Year Warranty on TVSS
- One (1) Year Warranty on Diagnostic Instrumentation
- Every unit Burn-in Tested Prior to Shipment
- ANSI/IEEE C62.11
- APT's Quality Management System is ISO 9001:2000 Certified

Design Features

- Low clamping voltage for maximum equipment protection
- Parallel design MOV suppression allows installation flexibility
- Bi-directional operation for positive & negative surges
- Solid state, fully automatic action & reset
- Intended for High Energy applications including all IEEE C62.41.2 Category A, B & C High Applications
- Pre-wired with 5 feet (1.3 Meters) #6 stranded leads
- Threadless, straight, conduit hub for rigid and intermediate metal conduits of 75mm or 2.5", eliminates the need for cutting a thread on rigid conduit
- External Mounting Flanges
- Inorganic silica particle encapsulation
 - Noncombustible at extreme temperature
 - Superior gaseous expansion tolerance
- Double insulated against ground fault or arcing with separate polypropylene and polyethylene layers
- Elastomeric Ceramgard® potting protects against environmental contaminants
- Fusing - coordinate to electrical system
- High Voltage warning labels standard
- Termination/storage kit for unused tap wires included

Optional Monitoring Package

- Allows for on-site or remote monitoring of suppression circuits
 - Indicator lights for each phase
 - Surge Counters for each phase
 - Dry Contacts for each phase

SURGTEC

A Division of  **ADVANCED PROTECTION TECHNOLOGIES INC.**

14550 58th St. North
Clearwater, FL 33760

ph- (727) 535-6339
Fax- (727) 539-8955

Email: info@surgtec.com
www.surgtec.com

MT Series

Multi-Tap Medium Voltage Surge Protective Device

MODEL	SERVICE VOLTAGE	MCOV
STAMT	1000V	1200VAC
	1500V	1860VAC
	2500V	3060VAC
	3600V	4460VAC
STBMT	1000V	1200VAC
	2000V	2400VAC
	3000V	3600VAC
	4160V	5000VAC

Example Part Number: STAMT1604M = Voltage range of 1000V, 1500V, 2500V, 3600V 160kA per phase, NEMA 4 Enclosure, Monitoring Package Included.

