



# Watt Hour Meter Base Surge Arrester 120/240 VRMS



\$170.00  
+ Tax

**TES 240 MSA**  
Residential/Light Industrial

## DESCRIPTION

Introducing the TES 240 MSA Surge Arrester, installed at wattmeter, service entry or weather head locations for residential and light industrial applications. The TES 240 MSA Surge Arrester is specifically designed for long lifetimes even with strong lightning activity and temporary line overvoltage conditions. A tough Surge Arrester for tough line conditions.

## FEATURES

UL1449 4th ed. surge suppressor with thermal protection designed to open in the event of over heating due to an abnormal over-voltage or temporary overvoltage (TOV) and will interrupt any abnormal current that may be encountered.

- Compact Size
- UL1449 4th approved
- Quick thermal response and perfect circuit cutoff function due to special thermal disconnecter design with internal arc extinguishing device (Patent)
- Wide operating temperature range and high reliability
- Low leakage current
- Application in the AC mains, service entrance, and heavy industrial etc
- SCCR up to 100 KAtms without external fuse or CB
- Fire Proof and explosion proof polycarbonate glass-fiber reinforced enclosure with matching mounting connector
- Sealed unit except for mounting connector wiring opening
- For less inductance, #10 AWG tinned copper wire
- MCOV 150

## APPLICATIONS

120 VAC-240 VAC Surge Arrester for residential and light industrial usage. Installed at wattmeter, safely clamps and dissipates lightning induced AC line high voltage current impulses going to a residence, apartment or light industrial building. Also protects against AC line temporary overvoltage conditions. Prevents damage to computers, faxes, copiers, VCR's, TV's, stereos or other AC line powered electronic/electrical equipment.

## ELECTRICAL-ENVIRONMENTAL SPECIFICATIONS

UL1449 4th ed. surge suppressor with thermal protection designed to open in the event of over heating due to an abnormal over-voltage or temporary overvoltage (TOV) and will interrupt any abnormal current that may be encountered.

### Type 1 SPD

### VOLTAGE:

120/240 VRMS

SINGLE PHASE, 50/60HZ, MCOV 150V

VOLTAGE PROTECTION RATING - VPR

L-L 1200V, L-G 600

NOMINAL DISCHARGE CURRENT (In) 10 KA

SHORT CIRCUIT CURRENT RATING

SCCR 100 KA

TYPE 3R ENCLOSURE

TYPE I SPD

Suitable for 400A ring or ringless style watt hour meter base.

### End of Life Failure Mode

While in overvoltage induced thermal runaway, apply 7 KA at 120 VAC. Surge arrester must fail safe without faulting the AC line. No arcing allowed.

Surge arrester fails safe—surge element punctures, safety fuse opens, LED turns off, no fire, slight puff of smoke out connector wiring opening. AC line not faulted. No arcing.

### Enclosure Flammability (550° C or greater)

960° C, UL 94 V1

### Ultra-Violet Resistance

Good UV stability in tropical conditions

### Thermal Withstand

80° C

### Salt-Fog Corrosion Resistance

Very good

### Enclosure Dimensions

2.75" deep X 7" diameter

### Recommended Mounting

Form 2S or 12S ring or ringless style