



VARIAN
medical systems

Part Number ST-010101

The Claude Lyons TS-555 Voltage Stabiliser is specifically designed for critical applications such as protecting Truebeam and Vitalbeam Accelerators. Loss of mains supply stability can result in poor equipment functionality and reduced equipment life.

TS series Voltage Stabilisers are installed throughout the world, endlessly operating in the most hostile and arduous conditions. Their robust electrical and physical construction provides the highest level of reliability and durability.

FEATURES

- High accuracy better than $\pm 0.5\%$
-
- Ultra high response speed
-
- Digital servo control
-
- High efficiency >98% at full load
-
- Negligible waveform distortion
-
- Unaffected by load power factor
-
- Independent phase control
-
- Indoor tropical rating
-
- Very low temperature coefficient
-
- User selectable input settings
-
- Transient suppression as standard
-
- A full range of single phase units rated up to 385kVA and three phase to 1150kVA
-
- Optional extras
-
- Safe Start
(ensures at switch on the voltage stabiliser output is set to the lowest possible voltage)
-
- Voltage and Current metering

SPECIFICATION

Output Voltage	Set at 400V 3 Phase 4 Wire Star
Input Voltage	The input voltage correction range (swing) is given in percentage terms relative to the output voltage setting. Tap A setting -17.5% to +7.5% Tap B setting $\pm 12.5\%$ (set as standard) Tap C setting -7.5% to +17.5%
Output Voltage stability	$\pm 0.5\%$ of selected output voltage
Rated	69kVA (100 Ampere per phase)
Supply Frequency	47-65Hz
Waveform distortion	Negligible
Effect on load PF	None
Surge rating	1000% for 2 seconds 300% for 2 minutes
Surge voltage	IEEE 587 Cat A test
Speed of correction	0.31 seconds (for a 0-10% input voltage change)
Operational temperature range	-5°C to +45°C Not to exceed a mean temperature of +35°C over any 24hr period
Temperature coefficient	0.01% per °C from ambient
IP rating	IP21
Working altitude	1000 meters (De rate by 2.5% per additional 500 meters)
Audible noise	45dBA at 1m
Product dimensions	(H) 150 x (W) 40 x (D) 70 (cm) 307kg
Packed dimensions	(H) 173 x (W) 49 x (D) 80 (cm) 346kg