

## Oven Test

**Test Purpose :** To check the malfunctioning of UUT at ambient temperature of 65 to 70 deg C.

### UUT Details

<b>Product Description</b>	Voltage Protection Relay	
<b>Model No.</b>	600VPR-310/520	
<b>Serial No.</b>	T-1704 & T-1701	
<b>PCB No.</b>	PCB 650 VPR_ST01_SC01_N1 V2.00-10UP PNL	
<b>HW Version No.</b>	V2.00	
<b>SW Version No.</b>	V1.00	
<b>Manufacturer</b>	Selec Controls Pvt. Ltd	
<b>Qty on which test was performed</b>	10No.	
<b>Ambient conditions</b>	<b>Temperature</b>	65-70°C
	<b>Humidity</b>	58.00%

<b>Test specification</b>	<b>As per IEC 60947-2</b>	
	<b>Test conditions</b>	Apply 415V L-L

### Test equipments used

Sr. No.	Instrument	Manufacturer	Model No.	Calibrated on	Calibration due
1	Oven	Bajaj	7G419	21/07/16	20/07/17
2	Voltage Protection Relay	Selec	600VPR-310/520	01/01/17	01/01/18

<b>Test conducted at</b>	M/S Selec Controls Pvt. Ltd., Navi Mumbai
<b>Traceability</b>	Test Date – 22/06/17

Sr No	Test Conducted	Status of the UUT During Test	Status of the UUT After Test
1	Phase Sequence	Ok	Ok
2	Phase Loss	Ok	Ok

Sr No	Test Conducted	Trip value (V)	Observed Trip value during test (V)	Observed Trip value after test (V)
1	Over voltage pot position at 25%	519	515.4	513.4
2	Over voltage pot position at 10%	456	454	452.3
3	Under voltage pot position at 25%	311	312.4	311.8
4	Under voltage pot position at 10%	373.5	376.7	374

**Test Observation:**

Sr.No.	Temperature	Duration	Observation	Remark
1	70 °C max. rated ambient temperature $\pm$ 2°C (Operational)	4 hour	No functional degradation	Pass

**General remarks:** NA

**Test Conclusion:** No functional degradation observed during and after the test. <sup>LED.</sup> (only indication checked)

*Pranav*  
22/6/17

**Tested By:** Pranav  
Testing Engineer

*Accuracy within limit*

*MB*  
22/6/17

**Supervised By:** Mahesh V.  
Product Engineer

*Priti*  
22/6/17

**Approved By:** Priti Ma'am.  
Senior Engineer

