

LINE REGULATION TEST

READ kVp Meter

Set unit to maximum mA, 1.0 seconds, and 70 kVp (90 kVp on 900 series). Operate unit and observe needle. Use a 150 VAC meter to read wall outlet voltage while operating x-ray. Use this equation for evaluation:

$$\frac{\text{_____ (V no load)} - (\text{minus}) \text{ (V full load)}}{\text{_____ (V full load)}} \times 100 =$$

This will equal the percent of line regulation. **Example:** $\frac{118 - 112}{112} \times 100 = 5.33\%$

NOTE: Maximum is 5% for 70 kVp models.
Maximum is 6% for 90 kVp models.

