

# Operating Instructions

## PHILIPS ORALIX 65 DENTAL X-RAY SYSTEM FOR INTRAORAL DENTAL RADIOGRAPHY

### Collimator/Position Indicator Device

The ORALIX 65 Tubehead is supplied with an 8" (20cm) open-ended collimator/position indicator device, suitable for use with the bisecting angle or parallel film technique. It is designed for use in contact with the patient's cheek and provides a maximum beam diameter of 60mm for cone 4519 100 28792, or a mean diameter of 58mm for cone 4519 100 28791, at the distal end. The P.I.D. fastens to the tubehead window by pushing in and twisting the quick-connect bayonet fitting a quarter turn to the right.

### Dens-o-mat Electronic Density Control

1. Depress Main Line Switch to "ON" position. Green "Mains ON" indicator should light.  
**Note:** "Patient Type" and "Film Type" selectors are mAs multipliers\*
2. Set "Patient Type" selector to one of the following:  
"0.66" — light adult or child  
"1" — average adult  
"1.34" — heavy adult
3. Set "Film Type" selector to "1.5", for ASA Type "D" Film. (Kodak Ultra-Speed, Rinn Super Fast, Minimax Triple X)
4. Set rotary selector knob to tooth structure being radiographed.
5. Position tubehead with Collimator/P.I.D. in contact with cheek.
6. Remove exposure switch from mounting hook and move to a radiation-safe area.
7. Depress exposure button and hold depressed until exposure is terminated. Termination of exposure is indicated by "X-ray ON" indicator light and audible signal going off. **Note:** Exposure button employs "dead-man switch" which terminates exposure as soon as button is released. To obtain full exposure selected, exposure button must be held depressed until exposure light goes out and buzzer stops.
8. When radiography is completed, replace exposure button on mounting hook and depress Main Line Switch to "OFF" position. Green indicator light should go off.

**\*Note:** To determine mAs, multiply mAs setting by correction factors ("mAs multiplication factors"):

<b>Examples:</b>	<i>mAs setting</i>	<i>Patient Type</i>	<i>Film Type</i>	<i>Actual mAs</i>
	2.3	1	1.5	3.5
	2.3	.66	1.5	2.3