

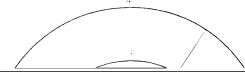


ELECTRO-TECHNIC PRODUCTS INC.

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SPECTRUM TUBES

Spectrum tubes contain one or more elements as gaseous atoms or molecules. Energy is supplied through an electric field applied



DESCRIPTIONS OF SPECTRA

Model 4605 HYDROGEN (H_2 gas). Strong violet, blue and red lines are obvious, although others may be seen.

Color	Wavelength, Å
Violet	4200
Violet	4400
Blue	4900
Red	6700
Red	6700

Model 4617 DEUTERIUM (isotopic variant of H_2). Spectrum is the same as for H_2 , unaffected by neutron.

Color	Wavelength, Å
Violet	4200
Violet	4400
Blue	4900
Red	6700

Model 4604 HELIUM (He gas). Strong spectrum with 2 violet, 2 green, 1 yellow and 2 red lines being prominent.

Color	Wavelength, Å
Violet	4000
Violet	4000
Violet	4000
Blue	4500
Blue	4550
Blue	4550
Blue	4800
Green	5000
Green	5100
Yellow	5850
Red	6500
Red	6800
Red	7200

Model 4609 NITROGEN (N_2 gas). Strong spectrum of many lines from violet to red.

Color	Wavelength, Å
Violet	4000
Violet	4050
Violet	4100
Violet	4150
Violet	4200
Violet	4250

NITROGEN (Continued)

Violet	4400
Violet	4450
Blue	5000
Blue	5050
Blue	5200
Green	5300
Green	5400
Green	5500
Green	5600
Yellow	5800
Yellow	5850
Yellow	5900
Red	6000
Red	6150
Red	6200
Red	6250
Red	6300
Red	6350
Red	6400
Red	6450
Red	6500
Red	6600
Red	6700
Red	6750
Red	6800
Red	6850

Model 4610 OXYGEN (O_2 gas). Very weak spectrum covering violet, blue/violet, green and red (2 lines) regions.

Color	Wavelength, Å
Violet	4400
Violet	4400
Blue	4900
Green	5250
Green	5400
Green	5400
Green	5500
Green	5650
Red	6150
Red	6250
Red	6600
Red	6650

DESCRIPTIONS OF SPECTRA

Model 4611 WATER (H₂O vapor) Three strong

NEON (Continued)

hydrogen lines and weak spectrum from oxygen.

Color	Wavelength, Å		
		Green	5100
		Green	5250
Violet	4300	Green	5600
Violet	4400	Green	5700

Green 5200

Yellow 5900
Yellow 6000

DESCRIPTIONS OF SPECTRA

Model 4614 KRYPTON (Kr gas). Strong spectral lines in violet, green, orange and red portions.

MERCURY (Continued)

Red 6600

Violet 4200 (11 lines)

Red

7200

Violet 4500
Violet 4550
Blue 4900

Model 4603 CHLORINE (Cl₂ gas). Medium intensity multiline spectrum from violet to orange, with 3 stronger lines in the blue/green region.