

## **SPECTRUM TUBES – set/6**

**Cat: HL3784-001 (set/6 tubes)**

**DESCRIPTION:** Set of 6x standard size high quality Spectrum Tubes. They will provide a bright display of gas discharge of the following gases:

Hydrogen (H), Helium (He), Mercury (Hg), Nitrogen (N), Argon (Ar), Neon (Ne)

Spectrum Tube name & symbol	Tube size	Pack/6 size	Visual colour of discharge
Hydrogen H	12mm D x 208mm long	270 x 205 x 60mm	Light Purple
Helium He	12mm D x 208mm long	270 x 205 x 60mm	Light orange
Mercury Hg	12mm D x 208mm long	270 x 205 x 60mm	Light blue
Nitrogen N	12mm D x 208mm long	270 x 205 x 60mm	Red / Purple
Argon Ar	12mm D x 208mm long	270 x 205 x 60mm	Purple
Neon Ne	12mm D x 208mm long	270 x 205 x 60mm	Red / Orange

The tubes can be excited by either the IEC 'Rhumkorff Coil' EM3450-001 or by the IEC special very high voltage Power Supply HL3785-001 which is made for the purpose. Some of the gases have faint glow, therefore the tubes are best viewed in dark surroundings.

These tubes are suitable for the examination of spectral lines using a simple IEC hand held Spectroscope HL3791-001 or by a more advanced spectrometer to see the spectral lines more clearly and more accurately.

**NOTE:** Do not energise Spectrum Tubes for any longer time than is necessary for the experiments. The quality of the gases will, over time, suffer with prolonged use. This is especially true with Hydrogen and Nitrogen (also Oxygen – if used for too long).

