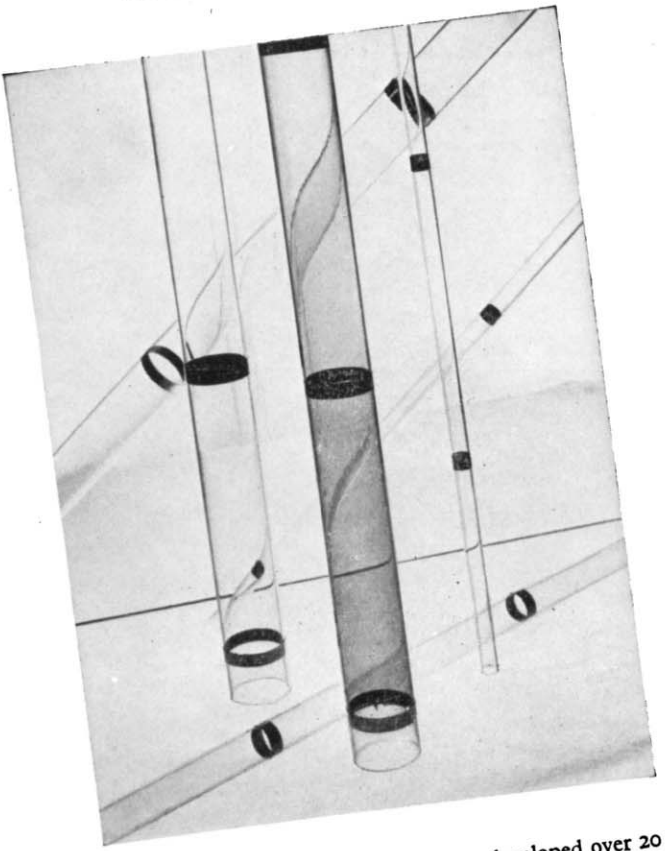
Pyrex electrically conducting coated tubing



Pyrex E.C. (Electrically Conducting) glass was first developed over 20 years ago in the Research Laboratories of the Corning Glass Works, Corning, New York, U.S.A. By combining the electrical conductivity of metals with the transparency and chemical stability of glass, a new approach to process heating was possible.

After full investigation by our Research and Development staff, this product has been manufactured and made available in this country by James A. Jobling & Co. Limited.

Description

E.C. coated tubes are made from the well-known Pyrex borosilicate heat-resisting glass. A microscopically thin transparent film of metal is permanently bonded to the outer surface of a glass tube to form an electrically conducting skin.

The tubes are manufactured in standard sizes of 19, 30 and 64mm. outside diameter and 30 and 48 inch lengths in each size. To facilitate the control of the

A REMARKABLE INSTRUMENT

New standard of performance in colorimetric analysis

The accumulated experience gained during the last twenty-one years in producing photo-electric apparatus for colorimetric analysis has gone into the design and construction of the new "EEL" Spectra.

This is an instument with all the advantages of versatility and robustness, combined with accuracy and simplicity of operation.

THE "EEL" SPECTRA

The main features in the unique construction of "EEL" Spectra are the high quality continuous spectrum wedge having a narrow band width giving accurate wave length selection over the range 400–700 microns and a sliding carriage to accommodate up to four cells or test tubes.

The cells can be of the order of 2.5, 5, 10 or 20 mm., the test tubes ½ in.

The light from a prefocus lamp is passed through a heat-absorbing filter and condenser lens assembly to focus on a slit in front of the continuous spectrum wedge. A cylindrical lens is interposed between the wedge and the sample and restricts the vertical spread of the beam. Transmitted light from the sample is collected by a single standard "EEL" barrier layer photocell which is coupled to a built-in, sealed taut suspension galvanometer fitted with zero and clamping controls.

Sample solutions contained in the fused glass cells or available test tubes are mounted on a sliding carriage moving between stops. Provision is made for the containers holding the solution under test and the reference blank to be inserted simultaneously and these may be positioned in the light-beam as required. Immediate readings are given on the galvanometer scale which is clearly marked in inverse logarithmic divisions.

The "EEL" Spectra is attractively and functionally designed with many outstanding features. Amongst the diversity of applications for which it is suited in a wide field of industrial analysis we include the following as a representative selection.

AGRICULTURE. Measurement of trace elements in soils, plants, etc.

FOOD MANUFACTURE AND BREWING. Trace elements estimation. Liquid colour analysis and control.

MEDICINE. Biochemical analysis.

METAL AND CERAMICS. Analysis of metal alloys, silicate materials, trace determinations, etc.

WATER AND SEWAGE TREATMENT. Trace determinations and chloride control.

INDUSTRIAL EDUCATION. Wide range of colorimetric tests.

Further details and price of this remarkable instrument are available from the manufacturers, EVANS ELECTROSELENIUM LTD., Sales Division, 12, St. Andrews Works, Halstead, Essex, who will be pleased to arrange a free demonstration of the "EEL" Spectra at your laboratory.

Sales and Servicing agents throughout the world.