

New Product News

Sensotec Division, Comtel Corporation of Columbus, Ohio, has announced the development of a pressure calibrator for in-place calibration of all types of pressure transducers. The unit consists of a small pressure vessel where a transducer can be placed and a 50 cm. fluid manometer for measuring the pressure applied to the transducer. It is portable and can be into the operating room or laboratory for direct calibration of transducers. (Circle No. 57)

Another Columbus firm, Columbus Instruments Division of Worldwide Development Corporation, has developed a new computer which measures, computes and displays 1) cardiac output, 2) central (pulmonary)

blood volume, 3) Mean Transit, and 4) systemic circulatory resistance. Required inputs are an indicator dilution signal plus mean arterial and mean left atrial pressure signals. The blood volume computed by multiplying the cardiac output by the circulatory System computer is the total average time required for an indicator particle to pass from the injection point to the sensing point in an artery. Circulatory system resistance is computed by dividing the difference of the mean arterial pressure and the left atrial pressure by the cardiac output. (Circle No. 58)

Polysciences, Incorporated, now offers a purified form of Urokinase obtained from human urine for research

investigation. Urokinase is a plasminogen activator substance with fibrinolytic activity and is found in the serum of all mammals. Fresh thromboses in human volunteers have been lysed by Urokinase therapy with little or no side-effects. In the literature are the results of studies carried out by Sautter and Ferris of the Marshfield Clinic. Offered is a standard ampoule of 1500 to 2000 Plough units for those who wish to research the clotting possibilities of this interesting protein. (Circle No. 59)

A low-cost system of monitoring core temperature and ECG by biotelemetry has been released by the Barrows Company of Woodside, California. The units are small enough to be implanted in animals as small as a 200 gram rat, have a useful life of 1 to 2 years, and a transmitting range of about 3 feet. (Circle No. 60)

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