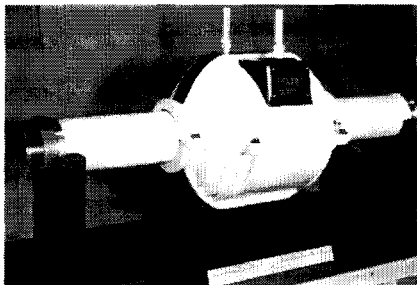


NEW PRODUCTS AND EQUIPMENT

Electromagnetic Flow Metering Device



Electromagnetic flow meter for use on flow line of 2 to 8 inches in diameter available from Foxboro Co. In addition to the usual advantages of electromagnetic metering the instrument is rated for unlimited maximum flows. It will measure the volume flow rate of any liquid of sufficient conductance and velocity. Measurement is unaffected by pressure, viscosity, or changes in conductivity of the flowing liquid PE1

Pilot Scale Studies of Food Processing Machine

The food processing laboratory of the University of California has acquired a Thermo-Pulper from Reitz Engineering Co. for pilot scale studies of applications for the unique machine.

California food scientists will use the Thermo-Pulper to work out methods for processing tomato concentrate, which, like frozen fruit concentrates would be diluted with water before serving. Tomato concentrate would not require refrigeration for storage.

The only machine of its kind, the Thermo-Pulper pulps or mashes fruit or vegetables while they churn through a screw-fed, steam jacketed cylinder under vacuum. PE2

Flexible Plastic Pipe

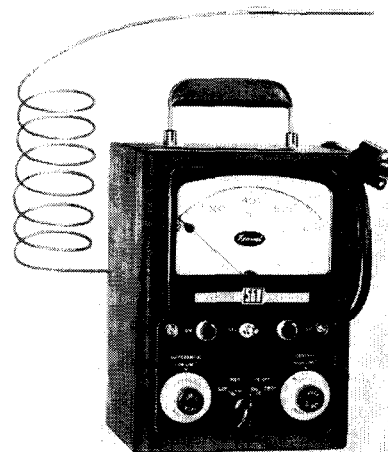
A lightweight flexible plastic pipe has been developed by Quaker Rubber Corp.

The pipe is made of polyethylene resin and guaranteed to be non toxic. It will

not rot, rust, or corrode, is easily handled, and requires no special tools to install according to the manufacturer.

Suggested applications for the pipe include cold water systems, farm piping, water service lines, and conveying industrial chemicals and gases. PE4

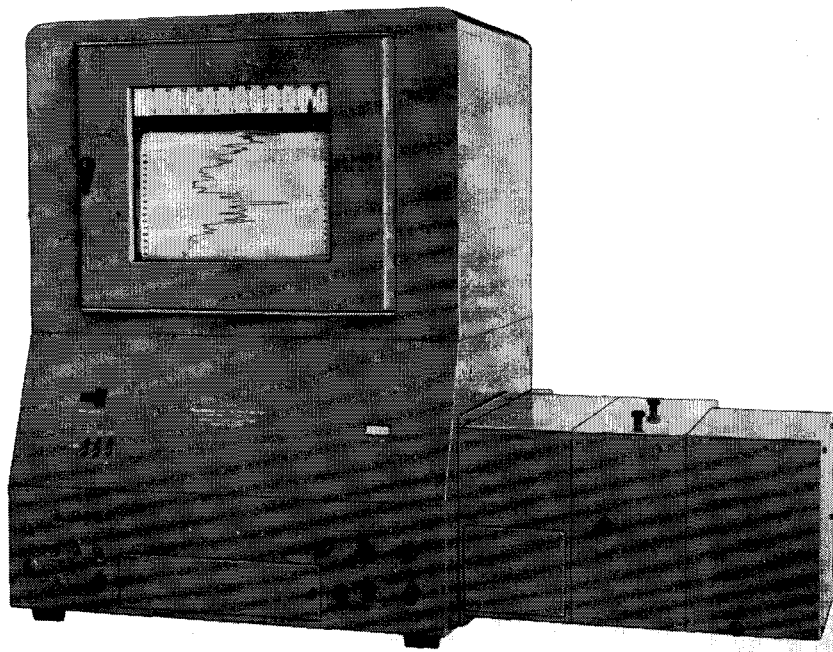
Temperature Controller Utilizes Thermistor Sensing Element



Temperature controller designed to operate in the range from 0 to 600° F. developed by Fenwal Inc. By utilizing the extremely sensitive response of the thermistor to temperature changes the controller is claimed to have extremely high accuracy and stability combined with ease of maintenance unusual in a precision instrument. The instrument operates on 110 volt a.c. power sources and is available in both portable and industrial models PE5

Cary Recording Spectrophotometer

Cary Recording Spectrophotometer, with wave length range extended to include near infrared and with increased photometric accuracy manufactured by Applied Physics Corporation. The Model 14 incorporates a newly designed double monochromator and flicker beam photometric system. It automatically records absorption spectra in the wave-length region of 2000 A. to 2.6 microns with good resolving power and high photometric accuracy. It records in absorbance and on a linear wave-length scale. Interchangeable light sources for the instrument are a hydrogen lamp for the ultraviolet region and tungsten lamps for the visible and near infrared regions PE3



Calibrator for Particle Measuring Device

A calibrator attachment for the Sub-Sieve Sizer is available from Fisher Scientific. The calibrator is intended to serve as a primary standard to enable operators to read particle size measurements directly on the machine.

The Sub-Sieve Sizer is a Fisher instrument for the measurement of the average size of particles in the range of 0.2 to 50 microns. The instrument operates by measuring the air flow resistance through a weighed sample of powdered material. The difference in air pressure across the powdered material is read on a manometer mounted before a calibrated chart. Average particle size in microns is read directly from the calibrated chart. PE6

▶ See coupon, page 1087, for further information ▶