

CURRENT INDICATOR AND INTEGRATOR

TWO instruments in ONE!



MODEL A309A

COMPLETE TECHNICAL DATA AND PRICES ON REQUEST

The Model A309A Current Indicator and Integrator is a sensitive current indicator that also measures the total charge collected in a given length of time. Developed especially for use with high-voltage particle accelerators, such as the Van de Graaff generator, the instrument can be used in any application requiring the measurement of accumulated charge.

- MEASURES CURRENTS FROM 1 MILLI-AMPERE TO 3 MILLI-MICROAMPERES.
- INTEGRATES INPUT CURRENT AND REGISTERS ACCUMULATED CHARGE.

FEATURES

- Wide current range: 1×10^{-3} to 3×10^{-9} amp. in 12 switch settings.
- High accuracy: 1% of full scale.
- Internal calibrating current source to check proper operation.
- Front panel switch allows instrument to be used with current of either polarity.
- Pre-setting feature provides means of safeguarding against over-exposure.
- Permits many experiments with particle accelerators that would otherwise be extremely difficult if not impossible.
- Register readout gives digital accuracy on charge measurement.



their selection will be interest in conducting some form of research in biophysics, tenure of a teaching position in a small institution where expensive research equipment in physics would be hard to come by, and an advanced degree in physics. Interested persons should write to Prof. E. C. Pollard, Department of Biophysics, Yale University, New Haven, Conn.

Optical Detecting Systems

MODERN systems for detecting and evaluating optical radiation is the subject of the Fifth Conference of the International Commission for Optics to be held August 24-30 in the Royal Institute of Technology in Stockholm, Sweden, with the support of the International Union of Pure and Applied Physics, Unesco, the Swedish Government, and several Swedish industrial firms.

Designed to include topics of interest both to optical scientists and to persons active in the neighboring fields of astronomy and electronics who are concerned with detecting systems, the conference program is subdivided into the following sections: (1) the spectral character of optical radiation, (2) receivers, new and improved, especially for the infrared, (3) electronics and optics, including interrelation or similarity between electrical networks and imaging optical systems, optical radiation in the presence of noise, and electronic systems in optical instrumentation, and (4) analysis of radiation in astronomy. Participants will have an opportunity to visit Sweden's Institute of Optical Research and various optical companies. Sightseeing tours of the vicinity have also been arranged.

The deadline for applications to attend the conference is April 30. Necessary forms and further information are available from the conference secretary, Prof. Erik Ingelstam, The Royal Institute of Technology, Stockholm 70, Sweden.

Free Radical Stabilization

IN accordance with its theme, "Trapped Radicals at Low Temperatures", the Fourth International Symposium on Free Radical Stabilization will emphasize the properties of solids containing trapped radicals and the chemical and physical interactions involving trapped radicals at low temperatures. The symposium will be held from August 31 to September 2 at the National Bureau of Standards.

Activities tentatively scheduled for the first day of the symposium include a discussion of the organization and aims of the NBS free radicals program, a session on low-temperature chemistry, and an evening banquet. The following day there will be discussions on methods of production of trapped radicals and physical properties of radical-trapping solids and on the identity and concentrations of trapped radicals. Evening activities will include a round-table discussion of future trends in free radical stabilization. The final session of the symposium, dealing with the interaction of free radicals with solids, will be held during the morning of September

PHYSICISTS THEORETICAL AND EXPERIMENTAL

AMERICAN SCIENCE AND ENGINEERING, INC. INVITES YOUR INTEREST AND INQUIRY INTO THE HIGH LEVEL SCIENTIFIC POSITIONS AVAILABLE IN THE FOLLOWING AREAS:

- PLASMA PHYSICS
- NUCLEAR PHYSICS
- HIGH TEMPERATURE PHENOMENA
- SATELLITE EXPERIMENT DESIGN
- MAGNETOHYDRODYNAMICS

CONTACT: Dr. Martin Annis
American Science and Engineering, Inc.
12 Norfolk Street
Cambridge 39, Massachusetts
UN 4-9375



POSITION OPEN

Professor of Physics, Good salary, midwestern college with excellent record. Located in small town near metropolitan areas. Ph.D. desired. Write to Physics Today, Box 459A, 335 East 45 Street, New York 17, N. Y.