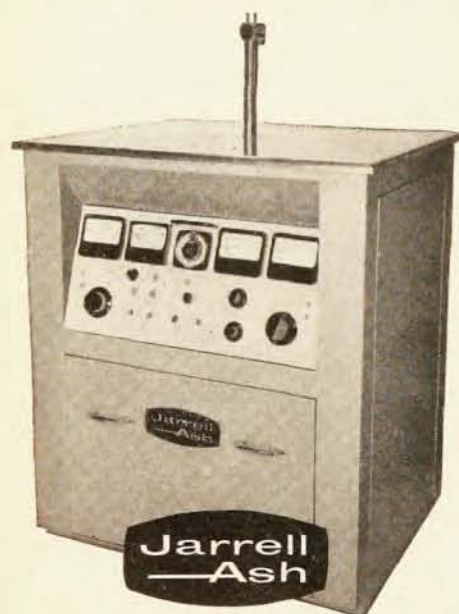


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Calendar

Material for inclusion in the calendar and meeting sections should be received 6 weeks prior to the date of the issue in which it is to appear. Further information can be obtained by writing to the addresses indicated in parentheses.

July

- 11-16 Creep in Structures, IUTAM symp., Stanford (N. J. Hoff, Stanford U., Stanford, Calif.)
- 11-22 July 11-16: Inter-American Nuclear Energy Comm. mtg., Washington, D. C. & Rio de Janeiro; July 18-22: Inter-American Symp. on Peaceful Application of Nuclear Energy spons'd by Inter-Am. NEC & Govt. of Brazil with USAEC in Rio de Janeiro (Div. of Science Development, Pan American Union, Washington 6, D. C.)
- 21-27 Medical Electronics, internat'l conf. & exhibition, Olympia, London, England (L. B. Lusted, U. of Rochester School of Medicine, Rochester 20, N. Y.)
- 21-30 Internat'l Nuclear Power Exhibition, Earls Court, London (Nuclear Power Exhib. Ltd., Francis House, Francis St., London S. W. 1, England)
- 25-6 Internat'l Union of Geodesy & Geophysics, Helsinki, Finland (W. E. Smith, Am. Geophys. Union, 1530 P St., N.W., Washington 5, D. C.)
- 28-29 Computers & Data Processing Symp. of Denver Research Inst., Stanley Hotel, Estes Park (See March PT, p. 84) (W. H. Eichelberger, Denver Research Inst., U. of Denver, Denver 10, Colo.)
- 28-4 Physics Education, internat'l IUPAP conf., attendance limited, UNESCO House, Paris, France (See March PT, p. 84) (N. Clarke, Inst. of Physics, 47 Belgrave Sq., London S. W. 1, England)

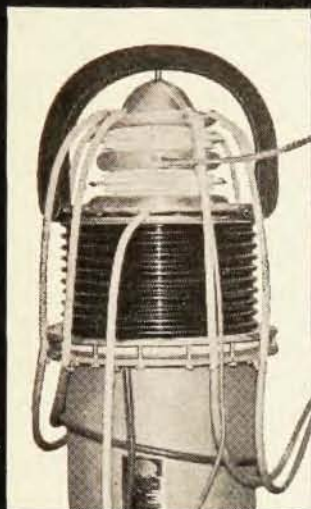
August

- 1-20 Scottish Universities Summer School in Physics on elementary particle dispersion relations, Newbattle Abbey (See April PT, p. 72) (D. J. Candlin, Tait Inst. of Math. Physics, 1 Roxburgh St., Edinburgh 8, Scotland)
- 3-6 Rarefied Gas Dynamics, 2nd internat'l symp., by invitation, at U. of Calif., Berkeley (Eng. & Sciences Ext., U. of Calif., 2451 Bancroft Way, Berkeley 4, Calif.)
- 8-11 Am. Astronautical Soc., Olympic Hotel, Seattle (R. M. Bridgforth, Boeing Airplane Co. Aero-Space Div., P. O. Box 3707, Seattle 24, Wash.)
- 9-12 Computing Methods & the Phase Problem in X-Ray Crystal Analysis, attendance limited, Glasgow (J. C. Speakman, University, Glasgow W. 2, Scotland)
- 15-17 ASME-AICHE Heat Transfer Conf. & Exhibit, Statler Hotel, Buffalo, N. Y. (Am. Soc. of Mechanical Eng., 29 W. 39 St., New York 18, N. Y.)
- 15-20 Internat'l Astronautical Federation Cong., Stockholm (See March PT, p. 84) (IAF-60, Postbox 5045, Stockholm 5, Sweden)
- 15-24 Internat'l Union of Crystallography at Cambridge, England: Gen. Assembly & Internat'l Cong. (W. H. Taylor, Cavendish Lab, Cambridge, Eng.); Aug. 22-23, Thermal Motion in Crystals & Molecules Symp. (G. E. Bacon, AERE, Harwell, Eng.) & Aug. 22-24, Lattice Defects & the Mechanical Properties of Solids, IUPAP symp. (P. B. Hirsch, Cavendish Lab, Cambridge, Eng.)
- 15-30 Role of Science in the Advancement of New States, internat'l conf., Rehovoth (A. Manor, Weizmann Inst. of Science, Rehovoth, Israel)
- 17-19 The Nuclear Reactor on the University Campus, conf. spons'd by ORNL, ORINS, ANS Oak Ridge Sect., AEC in Gatlinburg (See June PT, p. 82) (U. Relations Div., ORINS, P. O. Box 117, Oak Ridge, Tenn.)
- 18-31 Cosmical Gas Dynamics Symp. spons'd by IAU & IUTAM, by invitation, Varenna, Italy (R. N. Thomas, Nat'l Bureau of Standards, Boulder, Colo.)
- 22-26 Introduction to Thermonuclear Plasma Physics Symp. spons'd by ORNL, ORINS, & AEC in Gatlinburg (U. Relations Div., ORINS, P. O. Box 117, Oak Ridge, Tenn.)
- 23-25 Cryogenic Engineering Conf. spons'd by U. of Colo. & NBS in Boulder (K. D. Timmerhaus, U. of Colo., Boulder, Colo.)
- 24-2 Logic, Methodology, & Philosophy of Science, IUHPS internat'l cong., Stanford (P. Suppes, Serra House, Stanford U., Stanford, Calif.)
- 25-28 Rockets & Space Travel, internat'l mtg., Hanover (Deutsche Raketen-Gesellschaft, Buntentorsteinweg 562, Bremen, Germany)
- 25-3 High-Energy Nuclear Physics, IUPAP conf., by invitation, U. of Rochester (See Dec. '59 PT, p. 82) (W. A. Jamison, U. of Rochester, Rochester 20, N. Y.)
- 28-2 Internat'l Symp. on Combustion, Calif. Inst. of Tech. (See Aug. '59 PT, p. 72) (S. S. Penner, Calif. Inst. of Tech., Pasadena, Calif.)
- 28-3 Electron Microscopy, European Regional Conf., Delft (See March PT, p. 86) (A. L. Houwink, Julianalaan 67A, Delft, Netherlands)
- 29-31 Electron Microscope Soc. of Am., ann. mtg., Marquette U., Milwaukee, Wisc. (See May PT, p. 70) (W. C. Bigelow, U. of Mich., Ann Arbor, Mich.)
- 29-2 Internat'l Conf. on Semiconductor Physics, IUPAP, Czech. Acad. of Sciences, & UNESCO, Prague (M. Matyas, Inst. of Technical Physics, Cukrovarnicka 10, Prague 5, Czechoslovakia)
- 29-2 Internat'l Information Theory Mtg., London, England (P. Elias, Mass. Inst. of Technology, Cambridge 39, Mass.)
- 29-3 Nuclear Structure, IUPAP colloq., Queen's U., Kingston, Ont. (L. G. Elliott, Atomic Energy of Canada, Chalk River, Ont., Canada)
- 29-3 Low-Temperature Physics, internat'l IUPAP conf., Toronto (A. C. H. Hallett, U. of Toronto, Toronto 5, Ont., Canada)
- 31-7 Internat'l Congress of Theoretical & Applied Mechanics, IUTAM, Stresa, Italy (H. L. Dryden, 1512 H St., N.W., Washington 25, D. C.)

- 29- (through Sept. 9) Modern Methods of Crystal Structure Determination Summer School, Manchester Col. of Science & Technology (Director, Extra-Mural Dept., The University, Manchester 13, England)
- 7 Initial Effects of Radiation on Living Cells, UNESCO symp., Moscow (Academy of Sciences, USSR, Lenin Prospekt, Moscow, USSR)

September

- 5-9 Small & Medium Power Reactors, IAEA Conf., Vienna (IAEA, 11 Körntner Ring, Vienna 1, Austria)
- 5-15 Internat'l Scientific Radio Union, London, England (URSI, 7 place Emile Danco, Brussels 18, Belgium)
- 6-8 Nuclear & Radio-Chemistry Symp. spons'd by Chem. Inst. & Atomic Energy of Canada at Chalk River (R.H. Betts, Atomic Energy of Canada Ltd., Chalk River, Ont., Canada)
- 6-17 The Uses of Radioisotopes in the Physical Sciences & Industry, internat'l conf. spons'd by IAEA & UNESCO in Copenhagen, Denmark (IAEA, 11 Körntner Ring, Vienna 1, Austria)
- 7-9 Joint Automatic Control Conf., 1st ann., Mass. Inst. of Technology, Cambridge, Mass. (W. D. Archibald, Energy Control Co., 5 Beekman St., New York 38, N. Y.)
- 7-10 15th Calorimetry Conf., Gatlinburg, Tenn. (D. W. Osborne, Argonne Nat'l Lab, P. O. Box 299, Lemont, Ill.)
- 8-9 Canadian High-Polymer Forum spons'd by Nat'l Research Council & Chemical Inst. of Canada, Alpine Inn, St. Marguerite, P. Q. (See March PT, p. 86) (D. A. I. Goring, McGill U., Montreal, P. Q., Canada)
- 8-10 Internat'l Union of Pure & Applied Physics, general assem., Ottawa, Canada (P. Fleury, Inst. d'Optique, 3 blvd. Pasteur, Paris 15, France)
- 8-11 Color Centers & Crystal Luminescence mtg., Turin (Istituto Elettrotecnico Nazionale "Galileo Ferraris", Corso Massimo d'Azeglio 42, Turin, Italy)
- 12-14 Instrumentation for High-Energy Physics, IUPAP conf., by invitation, Lawrence Rad. Lab (E. J. Lofgren, Lawrence Radiation Lab, U. of Calif., Berkeley 4, Calif.)
- 12-16 Atomic Masses, IUPAP colloq., attendance limited, McMaster U. (H. E. Duckworth, McMaster U., Hamilton, Ont., Canada)
- 12-16 Internat'l Council of the Aeronautical Sciences Cong., Zurich, Switzerland (Inst. of The Aeronautical Sciences, 2 E. 64 St., New York 21, N. Y.)
- 13-14 Bionics Symp. spons'd by Wright Air Development Div., Air R&D Command, Dayton Biltmore Hotel, Dayton (Wright Air Development Div., Attn: WWRDA, Maj. J. E. Steele, Wright-Patterson AFB, Ohio)
- 13-15 Instruments & Measurements Conf., internat'l, Stockholm (See Jan. PT, p. 108) (H. von Koch, Royal Inst. of Technology, Stockholm 70, Sweden)
- 20-7 Internat'l Atomic Energy Agency, general conf., Vienna (IAEA, 11 Körntner Ring, Vienna 1, Austria)
- 21-23 High-Temperature Resistance & Thermal Degradation of Polymers Symp., London (Soc. of Chem. Industry, 14 Belgrave Sq., London S. W. 1, England)
- 22-24 Theory & Practice of Ultrasonic Inspection, Queens Hotel, Cheltenham (J. M. Barnes, de Havilland Propellers, Hatfield, Herts, England)



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JULY 1960

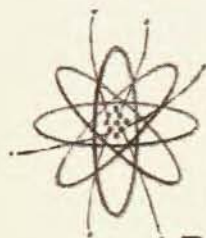
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- space radiation
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Please address inquiries to
Mr. George R. Hickman,
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1960

- 26-30 ISA Instrument-Automation Conf. & Exhibit, NY Coliseum, NYC (*Instrument Soc. of America, 313 Sixth Ave., Pittsburgh 22, Pa.*)
- 3 AMPERE Conf., Pisa (*A. Gozzini, Inst. di Fisica, Piazza Torricelli, Pisa, Italy*)
- 7 Internat'l Aeronautic Federation, Barcelona, Spain (*Nat'l Aeronautic Assoc. of the USA, 1025 Conn. Ave., N.W., Washington 6, D. C.*)

October

- 3-5 IRE Prof. Group on Nuclear Science, ann. mtg. spons'd by PGNS & ORNL at Gatlinburg (*H. E. Banta, ORNL, P. O. Box X, Oak Ridge, Tenn.*)
- 4-7 Recent Developments in Research Methods & Instrumentation, symp. & equipment exhibit, Nat'l Institutes of Health, Bethesda (*See June PT, p. 84*) (*H. C. Ellinghausen, US Dept. of Agriculture, Beltsville, Md.*)
- 4-22 Internat'l Comm. of Weights & Measures mtg. at Sèvres & gen. conf. in Paris (Oct. 11-19) (*Bur. Internat'l des Poids & Mesures, Pavillon de Breteuil, Sèvres, France*)
- 6-8 Nat'l Clay Conf. of NAS-NRC Clay Minerals Comm. at Purdue U. (*J. L. White, Purdue U., Lafayette, Ind.*)
- 10-12 Nat'l Electronics Conf., Hotel Sherman, Chicago (*NEC, 228 N. La Salle St., Chicago 1, Ill.*)
- 11-14 Inelastic Scattering of Neutrons in Solids & Liquids, Internat'l Atomic Energy Agency symp., Vienna (*IAEA, 11 Kärntner Ring, Vienna 1, Austria*)
- 12-14 Gaseous Electronics Conf. spons'd by APS Div. of Electron Physics & US Naval Postgraduate School at US Naval Postgraduate School, Monterey (*N. L. Oleson, US Naval Postgraduate School, Monterey, Calif.*)
- 12-14 Am. Vacuum Soc. symp., Cleveland-Sheraton Hotel, Cleveland, Ohio (*AVS, Box 1282, Boston 9, Mass.*)
- 13-15 Optical Society of America, Somerset Hotel, Boston, Mass. (*Mary Wurga, 1155 16th St., N.W., Washington 6, D.C.*)
- 17-21 Neutron Pile Research, IAEA Symp., Vienna (*IAEA, 11 Kärntner Ring, Vienna 1, Austria*)
- 20-21 Hypervelocity Techniques Symp., Denver Research Inst., Denver, Colo. (*J. B. Bidwell, Inst. of The Aeronautical Sciences, 2 E. 64 St., New York 21, N. Y.*)
- 20-22 Acoustical Society of America, Sheraton-Palace Hotel, San Francisco (*V. Salmon, Stanford Research Inst., Menlo Park, Calif.*)
- 24-27 Chemical Effects of Nuclear Transformation, IAEA symp., Prague, Czechoslovakia (*See May PT, p. 70*) (*IAEA, 11 Kärntner Ring, Vienna 1, Austria*)
- 26-27 Computer Applications Symp. spons'd by Armour Res. Found., Morrison Hotel, Chicago (*A. Ungar, ARF, 10 W. 35 St., Chicago 16, Ill.*)
- 26-28 Nonlinear Magnetics & Magnetic Amplifiers Conf., Bellevue-Stratford Hotel, Philadelphia, Pa. (*D. Katz, Bell Telephone Labs, Whippany, N. J.*)
- 27-28 Electron Devices Mtg. spons'd by IRE PGED, Shoreham Hotel, Washington D. C. (*H. W. Welch, Jr., Motorola, Inc., 8201 E. McDowell Rd., Scottsdale, Ariz.*)
- 31-2 Society of Rheology, Mellon Inst., Pittsburgh, Pa. (*W. R. Willets, Titanium Pigment Corp., 99 Hudson St., New York 13, N. Y.*)

- 31-2 Electrical Techniques in Medicine & Biology, Sheraton-Park Hotel, Washington, D. C. (*See May PT, p. 73*) (*G. N. Webb, Room 547-CSB, Johns Hopkins Hospital, Baltimore 5, Md.*)

November

- 2-4 APS Division of Plasma Physics, 2nd ann. mtg., Gatlinburg (*A. H. Snell, Oak Ridge, Nat'l Lab, Oak Ridge, Tenn.*)
- 4-5 APS New York State Section, mtg. on Modern Advances in Physical Computing Systems, Harpur Col., Endicott (*O. E. Miller, Bldg. 65, 1669 Lake Ave., Rochester 4, N. Y.*)
- 7-10 Soc. of Exploration Geophysicists, ann. mtg., Moody Convention Center, Galveston (*W. B. Lee, Jr., Gulf Oil Corp., Drawer 2100, Houston 1, Tex.*)
- 9-11 Pittsburgh Diffraction Conf., Mellon Inst. (*L. F. Vassamillet, Mellon Inst., 4400 Fifth Ave., Pittsburgh 13, Pa.*)
- 14-17 Magnetism & Magnetic Materials Conf., 6th ann., spons'd by AIP & AIEEE, Hotel New Yorker, NYC (*L. R. Bickford, IBM Research Lab, Poughkeepsie, N. Y.*)
- 15-16 Engineering Applications of Probability & Random Function Theory Symp. spons'd by Purdue U. at Lafayette (*F. Kozin, Purdue U., Lafayette, Ind.*)
- 15-17 Northeast Electronics Research & Engineering Mtg. (NEREM), Commonwealth Armory & Sheraton-Plaza Hotel, Boston, Mass. (*See June PT, p. 84*) (*J. H. Mulligan, Jr., New York U., New York 53, N. Y.*)
- 21-23 APS Division of Fluid Dynamics, Johns Hopkins U., Baltimore, Md. (*R. J. Emrich, Lehigh U., Bethlehem, Pa.*)
- 25-26 American Physical Society, U. of Chicago & Windermere Hotel, Chicago, Ill. (*K. K. Darrow, 538 W. 120 St., New York 27, N. Y.*)

December

- 12-15 Atomic Industrial Forum mtg. at Fairmont Hotel & exhibition at Calif. Masonic Memorial Temple, San Francisco, Calif. (*AIF, 3 E. 54 St., New York 22, N. Y.*)
- 26-31 Am. Assoc. for the Advancement of Science, ann. mtg., NYC (*AAAS, 1515 Mass. Ave., N.W., Washington 5, D.C.*)
- 29-31 American Physical Society, Berkeley, Calif. (*W. A. Nierenberg, U. of Calif., Berkeley 4, Calif.*)

1961

February

- 1-4 American Physical Society, Hotel New Yorker, NYC (*K. K. Darrow, 538 W. 120 St., New York 27, N. Y.*)
- 1-4 American Association of Physics Teachers, Hotel New Yorker, NYC; send abstracts to M. Correll, DePauw U., Greencastle, Ind. (*F. Verbrugge, U. of Minnesota, Minneapolis 14, Minn.*)

March

- 20-22 American Physical Society, US Naval Postgraduate School, Monterey (*W. A. Nierenberg, U. of Calif., Berkeley 4, Calif.*)
- 27-31 Temperature—Its Measurement & Control in Science & Industry, nat'l symp. spons'd by AIP, ISA, NBS, Columbus, Ohio (*C. M. Herzfeld, Nat'l Bureau of Standards, Washington 25, D. C.*)

1961

April

- 18-20 Chemical Reactions in the Lower & Upper Atmosphere Symp. spons'd by Stanford Research Inst., Mark Hopkins Hotel, San Francisco (R. D. Cadle, SRI, Menlo Park, Calif.)
- 24-27 American Physical Society, Nat'l Bureau of Standards, Washington, D. C. (K. K. Darrow, 538 W. 120 St., New York 27, N. Y.)

May

- 7-8 Topology in Circuit Theory, 5th Midwest Symp. at Allerton Pk. in Monticello & U. of Ill. in Urbana (See May PT, p. 73) (M. E. Van Valkenburg, U. of Ill., Urbana, Ill.)
- 11-13 Acoustical Society of America Bellevue-Stratford Hotel, Philadelphia, Pa. (M. E. Hawley, RCA, Moorestown, N. J.)

June

- 12-15 Physics of Electronic & Atomic Collisions, internat'l conf., U. of Colo., Boulder (B. Bederson, New York U., New York 53, N. Y.)
- 22-24 American Physical Society, U. of Mexico, Mexico City (K. K. Darrow, 538 W. 120 St., New York 27, N. Y.)

July

- ? High-Energy Nuclear Physics, IUPAP conf., Geneva, Switzerland (R. E. Marshak, U. of Rochester, Rochester, N. Y.)

August

- 14-17 Calorimetry Conf., Ottawa, Canada (C. E. Messer, Tufts U., Medford 55, Mass.)
- 15-24 Internat'l Astronomical Union, Berkeley, Calif. (D. H. Sadler, Royal Greenwich Observatory, Herstmonceux Castle, Sussex, England)
- 28-31 Internat'l Heat Transfer Conf., Boulder, Colo. (S. P. Kezios, ASME, 29 W. 39 St., New York 18, N. Y.)

September

- 4-9 Ionization Phenomena in Gases, internat'l conf., Munich (P. Schulz, Lichttechn. Inst. der Techn. Hochschule, Karlsruhe, Germany)
- 6-8 Midwestern Conf. on Fluid Mechanics & Solid Mechanics, Michigan State U. (J. E. Lay, Michigan State U., East Lansing, Mich.)
- 6-9 American Physical Society, U. of Wash., Seattle, Wash. (W. A. Nierenberg, U. of Calif., Berkeley 4, Calif.)
- ? Magnetism, IUPAP colloq., Tokyo, Japan (P. Fleury, 3 Blvd. Pasteur, Paris 15, France)

October

- 18-20 Optical Society of America, Biltmore Hotel, Los Angeles, Calif. (Mary Wurga, 1155 16th St., N.W., Washington 6, D.C.)

November

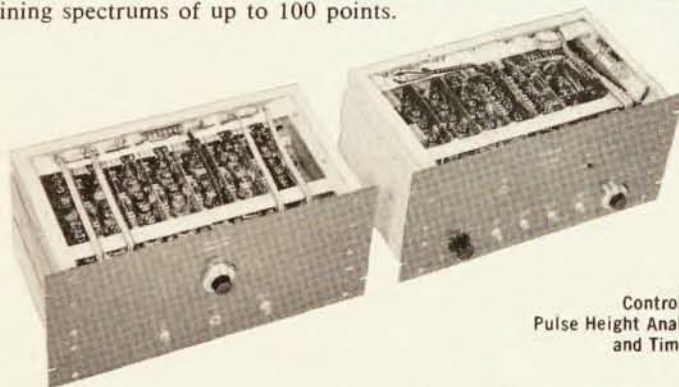
- 1-3 High Magnetic Fields, internat'l conf., MIT, Cambridge (H. H. Kolm, Lincoln Lab MIT, Lexington 73, Mass.)
- 9-11 Acoustical Society of America, Cincinnati & Dayton (D. W. Martin, Baldwin Piano Co., 1801 Gilbert Ave., Cincinnati 2, Ohio)
- 24-25 American Physical Society, Chicago, Ill. (K. K. Darrow, 538 W. 120 St., New York 27, N.Y.)



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Control Units for
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Storage Capacity, per channel	10 ⁵
Double Pulse Resolution, each channel	10 μ sec
Maximum Counting Rate, each channel	250 counts/second

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Input Signal Requirements	Detector	Trigger
Amplitude	5 volts	35 volts
Polarity	Positive	Positive
Pulse Width	—	4 micro-seconds
Channel Width	10 ⁻⁵ , 10 ⁻⁴ , 10 ⁻³ , 10 ⁻² , 10 ⁻¹ second	

SPECIFICATIONS, OPTIONAL PULSE HEIGHT ANALYZER

Channel Width	1 volt
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Channel Width Stability	Typically $\pm 1.5\%$ per day
Window Width	20 volts
Window Position Range	5 to 105 volts, continuously variable
Window Threshold Stability	Typically 0.1% per week
Input Pulse Requirements	
Polarity	Positive
Rise Time	20-200 millimicro-seconds
Fall Time	50-300 millimicro-seconds
Minimum Pulse Width	0.75 microsecond at 70% amplitude