

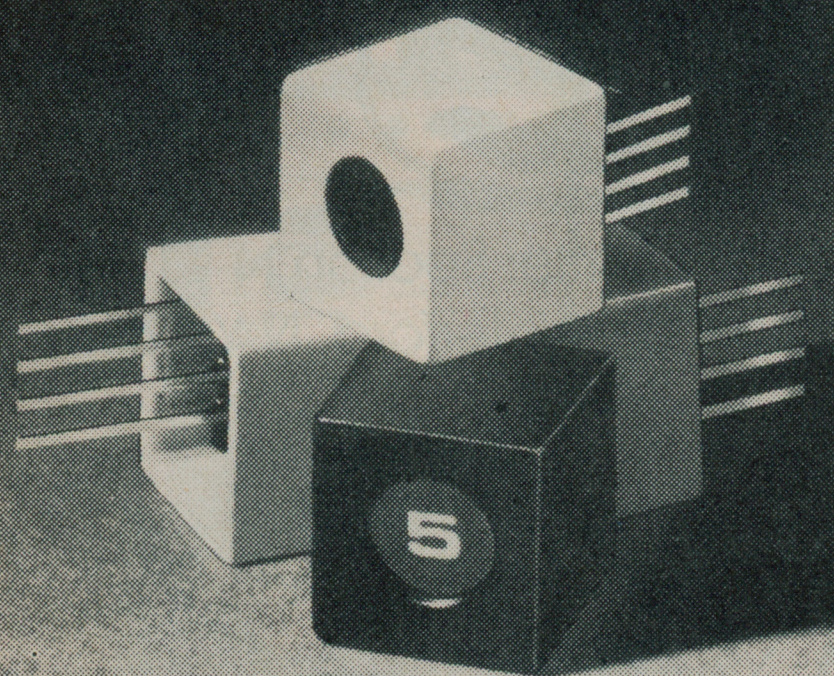
New solid-state lifetime switches are Magic Dot's contribution to state of the art. They operate on a capacitance principle, have *no moving parts*—and last a lifetime.

Unique design advantages include:

- Will not jam, wear or change characteristics
- Logic compatible with zero bounce
- Completely sealed for continuous performance in hostile environments
- Flexibility in size, shape and output characteristics
- No 'behind panel' space and 1/4" to 1/2" height

New Magic Dot switches can give you the competitive edge by significantly enhancing the performance, reliability and packaging of your product, while they permit the mere touch of a finger to become man-to-electronics interface. Write or call today for detailed technical and applications information.

these switches don't know switches fail!



Magic Dot

MAGIC DOT, INC.
40 Washington Avenue South
Minneapolis, Minnesota 55401
612/333-8161

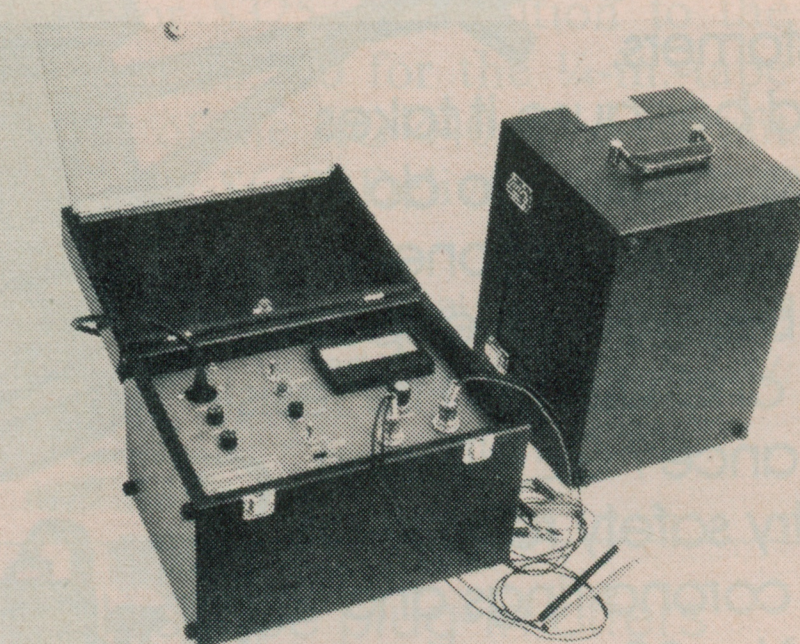
New products

amplifier, power supplies and multispeed chart drive. The unit offers full 50-mm-wide channels so that resolution of the data being recorded is enhanced. The operator can also select a number of chart speeds. Inkless recording is performed by a heated stylus on inexpensive heat-sensitive paper. Price is \$3,388.

Astro-Med, A Division of Atlan-Tol Industries Inc., West Warwick, R.I. 02893 [355]

Portable ohmmeter checks low resistance values

The circuitry of a precision micro-ohmmeter sends through its pulse probes a 50-ampere, 10-millisecond pulse to the test device or component once every second. The unit is designed for nondestructive resistance measurements, and employs a four-terminal measuring technique. Due to the current-pulsing tech-



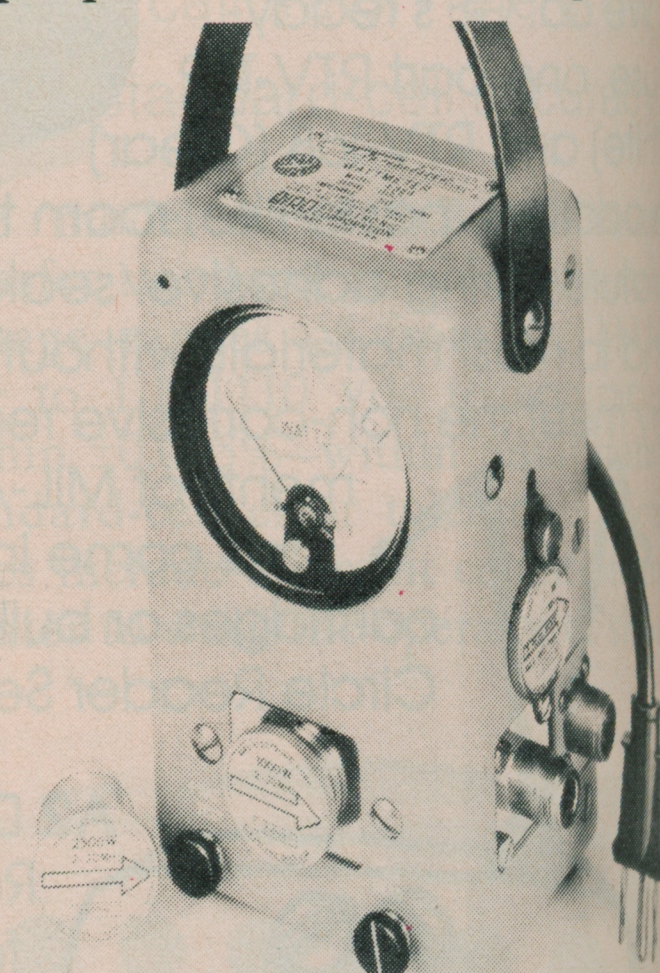
nique used, the unit simulates an actual circuit condition for determining the quality of electromechanical properties of component heat-sink modules and for detecting high-resistance joints caused by poor contacts or corrosion.

Anderson Power Products Inc., Power Equipment Div., 145 Newton St., Boston, Mass. 02135 [357]

Wattmeter measures pulsed rf systems, is portable

Operation from ac lines or batteries is offered by the model 4314 portable peak- or average-reading directional wattmeter. In addition to continuous-wave, average-power

measurement, the unit is designed to measure pulsed-rf systems such as radar, telemetry, air navigational aids, television, command and control, and single-sideband peak envelope power. To read the peak of

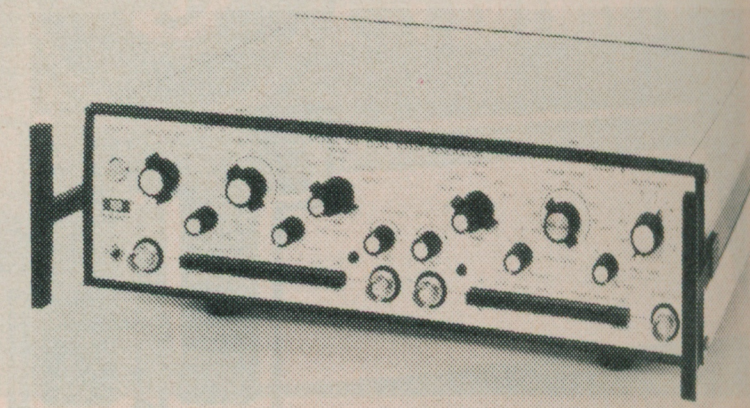


power pulses, the peak read button is depressed and locked, an action that inserts a peak reading servo amplifier between the demodulated pulse delivered by the plug-in sensing element and the meter. Price is \$625 and the plug-in elements range from \$32 to \$75.

Bird Electronic Corp., 30303 Aurora Rd., Cleveland, Ohio 44139 [356]

Generator offers ramp times from 1,000 s to 1 μs

The model 180 is a pulser containing two independent ramp generators with ramp times from 1,000 seconds to 1 microsecond. The generators may be operated independently or synchronized for 1:1, 2:1, and 4:1 interlace. Two independent power amplifiers offer ±10 v of variable dc offset, 80-decibel step attenuation in 10-dB steps and 20 dB continuously variable between steps. Trigger and gate modes are provided allowing independent single-shot and burst operation by



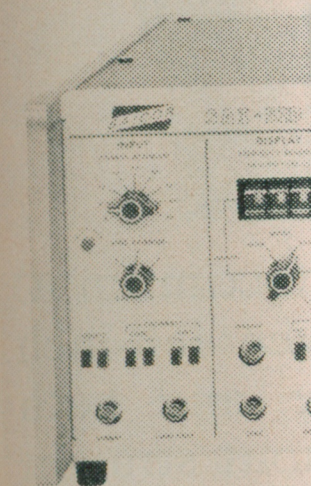
application gate, or by pushbutton. Exact Electronic Ave., Hillsboro,

Digital voltmeter up to 800

A digital voltmeter PM2422 offers and an over ranges of ac age, and six accessories extending capabilities potentials as kv dc and 1 Maximum a ±(0.2%+2 d instrument's 30 kHz with 1.0% at 30 kHz series range f Test & Measur Duffy Ave., Hick

Spectrum range of tin

A series of analyzer/digi an extended range, incre and digital ex



the integrator provide time up to 50 kHz i scale and incre through the u to-digital con in the integrat hold modes. Signal Analysis Willets Path, Hau