Readout

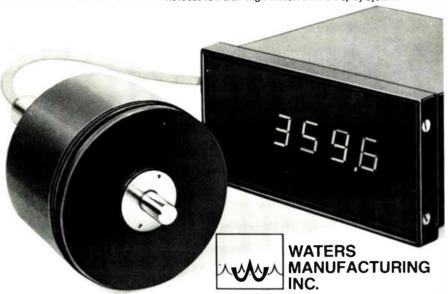
Waters announces the Anglyzer — a totally new concept in Anglyzer®
Shaft Angle
Position

360° shaft angle position measurement that features the infinite resolution and low noise of a precision conductive plastic potentiometer with a full 360° active angle. A novel integral solid state switching system combines two internal signals into one output over the full 360° to an accuracy of ±.36°. The Anglyzer provides a life of 100 million shaft revolutions at 1500 R PM and may be used about 1500 measurement that features the infinite resolution and low noise of a precision conductive plastic.

Shaft Angle
Position

360° shaft angle position measurement that features the infinite resolution and low noise of a precision conductive plastic.

Anglyzer provides a life of 100 million shaft revolutions at 1500 million shaft revolutions at 1500 million shaft revolutions at 1500 million shaft revolutions. tional to shaft angle, or may be used with its companion Digital Readout as a total angle measurement/display system.



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Circle 182 on reader service card



New products

able. The 4380 and 4381 are housed in 16-pin plastic dual in-line packages. Both units are available from stock at \$37.50 each in quantities of one to nine.

Teledyne Philbrick, Division of Teledyne Inc., Allied Dr. at Rt. 128, Dedham, Mass. 02026. Phone Wah Fea Ng at (617) 329-1600 [415]

Hall-effect devices provide 10 mA to drive TTL and MOS

For use in switching and detection applications, a family of three- and four-lead linear and switching Halleffect devices has single or differential outputs. Three three-lead units each have a single output, while five four-lead devices have two complementary outputs. Both types include switching and linear models. In addition to the basic Hall device, both types have full capability to drive diode-transistor logic, TTL, and MOS circuitry directly, and the linear model provides outputs of up to 10 mA. The switching units operate on a supply voltage between 4.5 and 16 v dc, while the linear integrated circuits operate on 5 v dc.

The devices have various magnetic ranges. For example, a three-lead switching device with a single output (model 6839) has a magnetic flux density of 750 gauss maximum from output high to low and 100 gauss minimum from low to high. Another, a four-lead linear device with differential output (model 835), has a magnetic flux density offset of minimum, -350gauss +350 gauss maximum.

The switching units will be useful in keyboard switches, microswitches,



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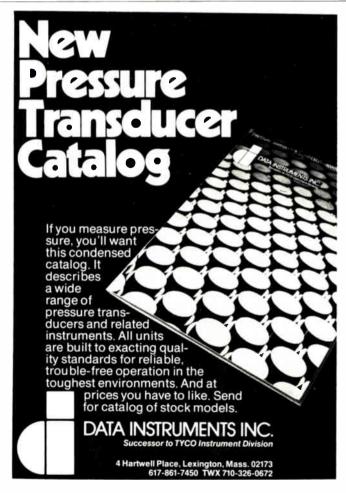


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and speed and position sensors. The linear models have applications in contactless volume control and brushless de motors.

Deliveries on these Hall devices are stock to eight weeks. Three-lead devices average around 50¢ each in 1.000-piece quantities; four-lead devices fall in the 70¢ range. Discounts for original-equipment manufacturers are available.

Panasonic Co., One Panasonic Way, Secaucus, N. J. 07094. Call Bill Bottari at (201) 348-7276 [416]

Non transistors combine high power with high speed

The 2N6338 through 2N6341 series of npn power transistors are highspeed devices with a rise time of 300 ns, a storage time of 100 ns, and a fall time of 250 ns at 40 A. Intended for amplifier and powersupply applications, the transistors can handle a continuous current of 25 A and a peak current of 50 A. Sustaining-voltage ratings for the series ranges from 100 to 150 V. With their operating-temperature range of -65° to $+200^{\circ}$ C, the devices can dissipate 200 w at 25°C.

The new transistor series gets its speed and current ratings from a double-diffusion process and its stability from glass passivation. In quantities of 100 to 999 pieces, the units are priced from \$3.75 to \$9.75 each. Delivery time is four to six weeks after receipt of order.

International Rectifier, Semiconductor Division, 233 Kansas St., El Segundo, Calif. 90245. Phone (213) 322-3331 [417]

