

new products

Industrial noise monitor

Conwed Corp. has introduced a Noise Exposure Computer Integrator, a small portable device that measures exposure to industrial sound at work locations. It gives readout of the total noise exposure the wearer has been subjected to during a given period, expressed as a percentage of the exposure allowed by standards established under the Federal Occupational Safety and Health Act of 1970.

The battery-powered device is sensitive to all sound levels from 90 dBA through 115 dBA.

*Conwed Corp.
St. Paul, Minn.*

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Environmental textbooks

The demand for environmental education materials is high, and indications are that it is not yet being met.

Addison-Wesley Publishing Co. has produced three textbooks for grades 6 to 9—"Water Pollution," "Air Pollution" and "Noise Pollution." Each of the three paperbacks is 98 pages long,

and the publisher says none are designed as "scare" books, but rather are introductions to the scientific facts behind the three kinds of pollution.

The books are printed on recycled paper, and they can be returned for recycling when worn out.

*Addison-Wesley Publishing Co.
Menlo Park, Calif.*

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Pollution data system

Time-Zero Corp. is offering its RDS-16 data system, which it says is designed primarily for small air pollution control agencies for monitoring and communications.

Operating with the Bell System direct-dial network, the RDS-16 system connects air pollution sensing stations with a central station. That station in turn can be connected with officials' homes or offices. Purchasers can first buy a minimal system, then expand it incrementally as new stations are added.

*Time-Zero Corp.
Data Products Div.
Hawthorne, Calif.*

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Visual torque indicator

Gyr Falcon Inc. has introduced what it calls "Tell-Torq" bolts, which provide an immediate visual indication of tightness. The bolt has a device within the shank and head that causes an optical device in the head to turn dark blue when tightened to its proper stress. When the bolt is loosened, the blue turns back to bright red.

*Gyr Falcon Inc.
Camp Hill, Pa.*

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Electronic Secchi Disc

One index to the eutrophication of bodies of water is the degree to which water will allow light penetration. Water gets murkier as eutrophication causes algae growth. Traditionally, a device called the Secchi Disc, a white disc which is lowered into the water, is used to measure water clarity. But it relies entirely on human vision and provides only an "eyeball" estimate.

Beckman Instruments, Inc. has produced a small, portable electronic Secchi Disc that gives a precise readout on the light penetrability of water.

*Cedar Grove Operations
Beckman Instruments, Inc.
Cedar Grove, N. J.*

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Thermoluminescence meter

Measurements of thermoluminescence of various samples are often needed in health physics, medical physics, nuclear physics, archaeology and geology. For the purpose, The Harshaw Chemical Co. has developed a thermoluminescence dosimetry system called Model 3000.

Harshaw describes Model 3000 as light in weight, low in cost and easy to operate. It will measure both high and low radiation response of a wide variety of thermoluminescent materials.

Technical advantages of the new instrument include simultaneous glow curves and integration of phototube current that provide two data points with a single heating of the sample. Model 3000 will range automatically over eight decades in current and charge measurements; it has an interchangeable, readily accessible optical filter and a stable, reference light source.

*The Harshaw Chemical Co.
Crystal and Electronics Div.
Solon, Ohio 44139*

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