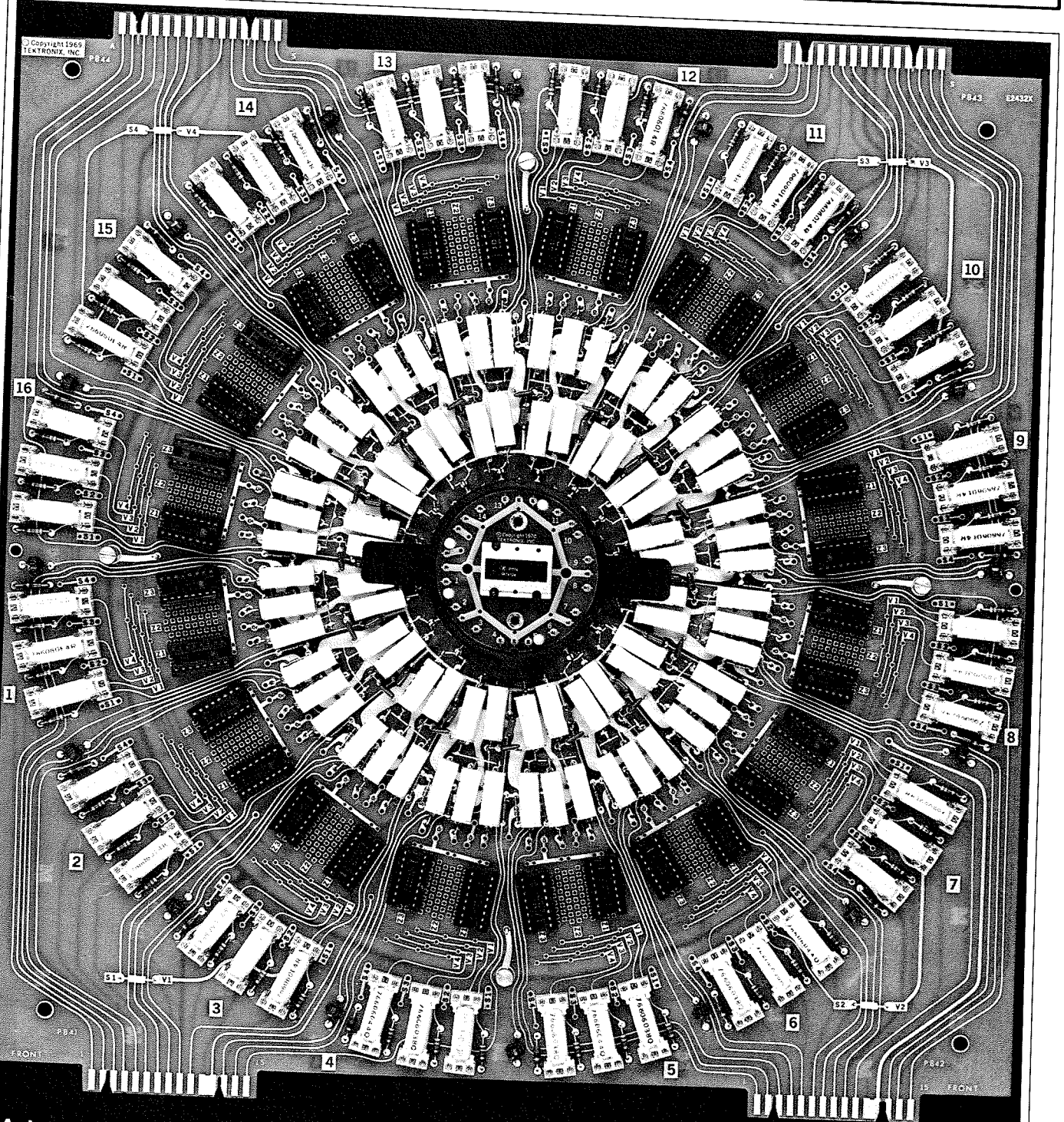




# TEKSCOPE

AUGUST 1970



Automated Measurement Systems | Hazardous Material Identification | Service Scope | Fast Writing CRT

# HAZARDOUS MATERIAL IDENTIFICATION

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Everyday exposure to material hazards, particularly chemical hazards, are increasingly a part of everyone's job. Many materials in common use offer little danger but still are not to be lightly treated. Several years ago, we at Tektronix set up an in-plant chemical safety program that has as an objective positive identification and labeling of the specific degree and classification of chemical hazard. To this end, hazardous materials are labeled with a four color, diamond shaped tag. This tag includes the chemical or trade name in a white area near the bottom. The other three colors, blue, red, and yellow, each represent a specific area of safety concern. Blue, for example, represents toxicity—a health hazard. Red represents flammability—the potential for fire. Yellow is assigned to reactivity or stability when exposed to common materials such as water or common events such as jarring shocks. In each colored area a number from 0 through 4 has been assigned, proportional to the degree of hazard. 0 represents a relatively harmless classification. Posters explaining the tag are displayed wherever people are likely to be working with chemicals. Today, that means almost everywhere.

In addition to the Hazardous Material Tag, detailed information is made available through a loose leaf, Chemical Safety Book. One edition contains data based on reports from chemical manufacturers, recognized reference texts,

HAZARDOUS CHEMICAL OR MATERIAL IDENTIFICATION LABEL

BLUE INDICATES HEALTH

RED " FIRE

YELLOW " STABILITY

THE NUMBERS INDICATE THE DEGREE OF DANGER

TOXICITY — BLUE	FLAMMABILITY — RED	REACTIVITY — YELLOW
HEALTH	FIRE	STABILITY
4 HIGHLY TOXIC OR POISON Produces death in laboratory animals in specified length of time.	EXPLLOSIVE When subjected to flame, spark, or excessive heat.	4 SHOCK SENSITIVE Capable of detonation or explosive decomposition or reaction in the absence of confinement under normal temperatures and pressures.
3 TOXIC AND/OR CORROSIVE The capacity to produce personal injury through ingestion, inhalation, absorption or destruction of skin or mucous membranes.	EXTREMELY FLAMMABLE Flash point at or below 20°F.	3 Will undergo chemical change due to ordinary or elevated temperatures and pressures, daylight or artificial light, or capable of detonation under confinement.
2 IRRITANT OR STRONG SENSITIZER Prolonged or repeated contact may produce inflammatory or allergic reaction.	FLAMMABLE Flash point from 20°F to and including 80°F.	2 Will react with water with release of significant quantities of energy and/or may react with organic materials such as sawdust, cloth, paper, etc. to cause fires.
1 TEMPORARY DISCOMFORT May cause discomfort which is relieved on removal from exposure.	COMBUSTIBLE Flash point above 80°F.	1 One or more constituents of material highly volatile. Composition & properties may change with time & temperature.
0 No unusual hazard.	NON-FLAMMABLE Flash point - none.	0 Normally stable.

A conspicuous poster gives further information to Tektronix employees about the Hazardous Material Label.

