

May 1969

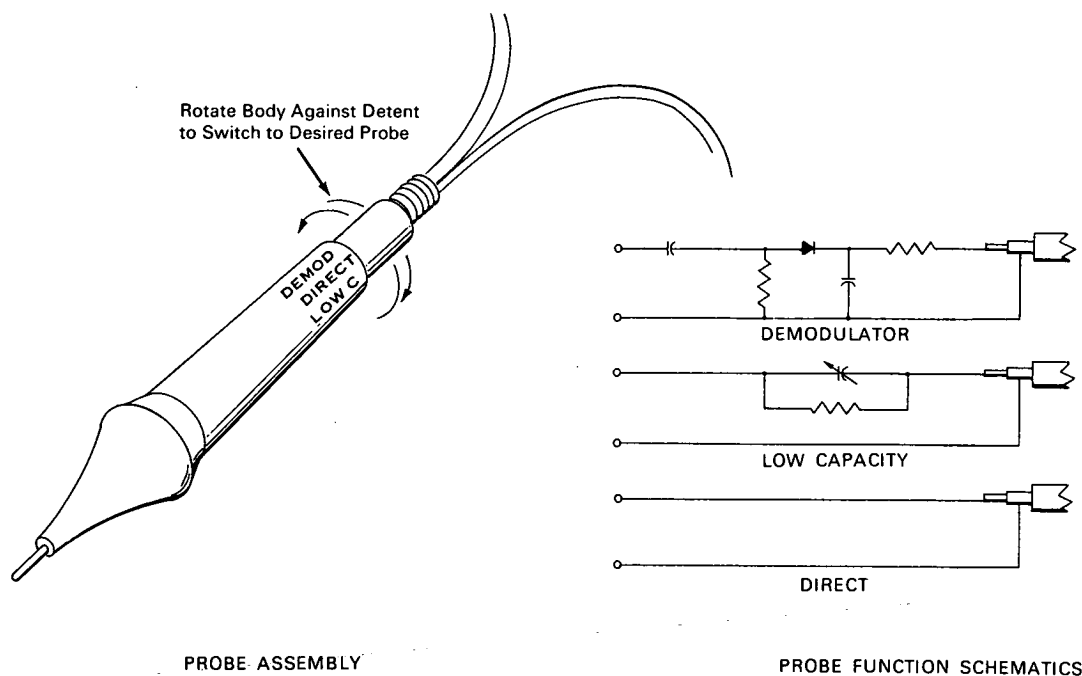
Brief 69-10129

# NASA TECH BRIEF



NASA Tech Briefs are issued to summarize specific innovations derived from the U.S. space program, to encourage their commercial application. Copies are available to the public at 15 cents each from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151.

## Concept for a Multifunctional Oscilloscope Probe



Separate probes have been generally required to provide particular functional inputs to a standard oscilloscope used in checking electronic circuitry. In using such probes, time is lost whenever a probe must be disconnected from the oscilloscope and replaced with a probe to match the desired function.

A design has been conceived to provide a single probe incorporating required electronic components so that any one of three desired functions (direct, demodulation, or low capacitance) can be switched into the oscilloscope. The proposed probe would obviate the need for three separate oscilloscope probes that

have been used in checking radios, television sets, and other electronic equipment.

### Notes:

1. This device has been only in the conceptual design stage. Neither a model nor a prototype has been built as of the date of this Tech Brief.
2. Inquiries concerning suggested design details of the probe may be obtained from:

Technology Utilization Officer  
Marshall Space Flight Center  
Huntsville, Alabama 35812  
Reference: B69-10129

(continued overleaf)

**Patent status:**

No patent action is contemplated by NASA.

Source: E. J. Stringer  
of North American Rockwell Corp.  
under contract to  
Marshall Space Flight Center  
(MFS-16390)