

# PROXIMITY SENSOR vPS-M23 FOR GENERAL PURPOSE AVIATION BOMBS OF Mk-80 SERIES



The proximity sensor for general purpose aviation bombs of Mk-80 series is placed at the front fuze well of the weapon and is intended to enable weapon warhead detonation at a designated height above the target, thus significantly increasing the efficiency of the carrying weapon.

The proximity sensor is used as part of the proximity sensor kit vPSK-M23, which includes the vFI-M23 Initiator as well as the vAF-M23 fuze, beside the mentioned vPS-M23 proximity sensor itself.

In order to ascertain the distance to the terrain, as well as its own velocity, the proximity sensor relies on radar and advanced signal processing, while facilitating the selection of the desired height of detonation above the target.

## TECHNICAL CHARACTERISTICS:

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|-------------------------------|---|
| • Operating principle:        | Radar                                       |
| • Power supply:               | Autonomous, battery-based                   |
| • Initiation:                 | vFI-M23 initiator from the vAF-M23 fuze set |
| • Height of Burst selectable: | 3-15 m                                      |
| • Mass:                       | 2 kg  |
| • Operating conditions:       | temperature within -40°C to +70°C           |

