

## MAIN FEATURES

- Two base options for different surfaces
- P and S wave generation
- Compact design
- High energy of pulse
- Ideal repetition of impacts
- Hammers of different weights



AWD-40PS is an accelerated weight drop seismic source designed for efficient generation of both P-waves and S-waves during land seismic surveys. The energy of a single impact reaches 1000 J.

AWD-40PS is available in two configurations:

**Cart-mounted version** – fully self-contained mobile unit on a compact lightweight frame equipped with reliable wheel blocks. Designed for efficient generation of P and S waves on land seismic surveys.

**Tow-hitch mounted version** (2" adapter) can be mounted on a trailer, trunk of a pickup, a four-wheeler or a compact wheel pair (tow bar – four-square). Designed for efficient generation of P waves on land seismic surveys.

The cart version can additionally be equipped with a tow-hitch adapter, providing maximum flexibility of use.

The cart-mounted version AWD-40PS is with an inclined platform, allowing it to be installed at an angle of 45 degrees, and a special stop, adding stability in an upright position, what allows to perform survey on shear waves.

The system supports fast hammer replacement in the field and can operate efficiently in rugged terrain conditions. Total weight of the cart-mounted version (without battery pack) is less than 120 kg.



## TECHNICAL SPECIFICATIONS

- Type of waves | pressure and shear
- Minimum response time | 3 s
- Weight (with additional hammer and battery) | < 120 kg
- The energy of a single impact | 1000 J
- Weight of additional hammer | 20/33/40 kg |
- Frame material | steel

### ACCELERATED WEIGHT DROP SEISMIC SOURCE AWD-40PS WITH CART:

Designed for efficient generation of P and S waves on land seismic surveys.

The set includes:

- Source AWD-40PS with 20, 30 or 40 kg hammer (on customer's choice)
- Wired or wireless remote control
- Plate for inclined shots (S waves)

### ACCELERATED WEIGHT DROP SEISMIC SOURCE AWD-40 WITH TOW HITCH ADAPTER 2"

Designed for efficient generation of P waves on land seismic surveys.

The set includes:

- Source AWD-40 with 20, 30 or 40 kg hammer (on customer's choice)
- Wired or wireless remote control
- Tow hitch adapter (2-inch square)

### OPTIONAL

- Tow hitch adapter (2-inch square)
- Additional hammer for AWD of any weight – 20, 30 or 40 kg
- Hammer switch with 5m cable
- Titanium alloy plate for vertical shots (P waves)
- 12V 50Ah LiPoFe4 battery
- 12V 100Ah LiPoFe4 battery
- 5A charger for LiFePo4 or lead-acid battery
- 10A charger for LiFePo4 or lead-acid battery
- Cable synchronization system
- Wireless or GPS trigger switch



*Specifications are subject to change without prior notice.*

*This document was reviewed on February 24, 2026. For the latest specifications, please refer to: <https://geodevice.co/40ps/>*



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