

Surface equipment

## SPO-P-500SH MINE ROUND-TRIP EQUIPMENT (explosion-proof version, protection class PV EX D I)



SPO-P-500Sh round-trip equipment is designed for round-trip operation during geophysical surveys of wells drilled in mine workings hazardous for gas and oil for exploration of solid mineral deposits.

SPO-P-500Sh allows logging of horizontal, deviated- downhole and deviated-up hole up to 400 m depth. Logging can be run using the logging rods included in the delivery set at the customer's request, or without logging rods using a casing-head pulley. It is possible to equip it with the Vulcan V3 log recorder (KAMK Almaz-1, see page 35).

### COMPLETENESS OF EQUIPMENT:

- explosion-proof (PB Ex d I) electric motor with mechanically disengaged gearbox and release clutch;
- control console consisting of a variable speed drive, logging monitoring device and SKG «Yason» in an explosion-proof box (PB Ex d I);
- 4-electrode oil-filled manifold in enclosed design;
- casing-head pulley;
- wheel block;
- 4.8-mm cable KG-3-0.2-15-150 up to 550 m;
- NKB 3-36 standard cable head or cable head for operation with NKSh 3-36 logging rods;
- KSh 1.5x22 logging rods - supplied at the customer's request;
- automatic cable layer;
- mechanical braking gear.

### SPECIFICATIONS

|                                                       |            |
|-------------------------------------------------------|------------|
| Maximum speed of round-trip operations, m/hour        | 1000       |
| Electric motor power, kW                              | 0.75       |
| AC mains supply, V                                    | 220        |
| Winch drum maximum capacity (cable diameter ~5 mm), m | 550        |
| Weight of 100 m of KG 3-0,2-15-150 cable, kg          | 10         |
| Cable traction pull on the middle of the drum, N      | 1000       |
| Tool dimensions, mm                                   |            |
| - length                                              | up to 1850 |
| - width                                               | up to 655  |
| - height (with removable frame)                       | up to 1100 |
| SPO-P-500mini weight (without cable), kg              | up to 450  |