



### R10 Rotator

The R10 is a nuclear and deep sea rotator featuring a RS-485 computer control, 3,000 meter depth rating, 10 lb-ft torque, 24-28 VDC power, aluminum housing, and oil or air filled models. The R10 has a 1-year warranty and various connector options.

|                  |                                                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------|
| Payload          | 25 lbs ( 11 kg)                                                                                                |
| Torque           | 10 lb/ft (13.56 N-m)                                                                                           |
| Accuracy         | +/- 1.5° (90 arc minutes)                                                                                      |
| Gear Backlash    | 0.6° (36 arc minutes)                                                                                          |
| Scan Range       | +/- 170 degrees max                                                                                            |
| Rotation Speed   | 10 ° / sec                                                                                                     |
| Power            | 24-28 VDC (1.7 amps)                                                                                           |
| Control          | RS-485 (half duplex)                                                                                           |
| Networkability   | Up to 32 RS-485 nodes                                                                                          |
| Motors           | Brushless electric                                                                                             |
| Depth rating     | Oil filled: 3,000 meters, air filled: 30 meters                                                                |
| Housing material | Aluminum                                                                                                       |
| Size             | Oil - 8.84"H x 3.45"W (4.07" with Connector) x 2.95"D<br>Air – 7.10"H x 3.45"W (4.07" with Connector) x 2.95"D |
| Weight           | Air: 4.3 lb (air), 5.1 lb (oil); water: 3.1 lb (air), 3.1 lb (oil)                                             |
| Operating temp   | Up to 122° F (50° C); storage: -4° to 140° F (-20 to 60°C)                                                     |
| Connectors       | Various connectors available                                                                                   |