SIDUS

Professional Solutions for Hazardous Area & Subsea Systems

SS309
Rotator Device

Sidus Solutions' SS309 underwater rotator is a robotic positioning device which improves the versatility and reliability of video inspection systems. The dependability and ease of maintenance of this robust rotator are achieved through the integration of reversible synchronous motors, extremely low backlash harmonic drives and precision ball bearings into an unique modular motor assembly. These unitized motor modules develop an impressive ten foot pounds of torque and are securely locked into the corrosion resistant one-piece underwater housing.

The distinctive modular design, found only in the SS309 assembly, simplifies field repair to using only small hand tools. No soldering is required and can be customer serviced if necessary. In addition to the standard 120 volt and 24 volt AC configurations, additional versions include 24 volt DC utilizing stepper motors, are also available. Modifications can be made to include feedback circuits and limit switches for applications where position information is vital.

Sidus Solutions supplies complete turnkey inspection system equipment and services. Ask your representative today about other Sidus Solutions product offerings and services

Specifications

Dimensions:	
Width:	6.6 in. / 167.6 mm
Diameter:	3.3 in. / 81.3 mm
Weight:	4.6 pounds / 2.1 kilograms (in air)
	2.9 pounds / 1.3 kilograms (in water)
Housing:	Hard anodized aluminum
Connector:	Customer selectable
Operating	100 feet / 30.48 meters (air filled)
Depth:	10,000 feet / 3,048 meters (oil filled)
Power:	120 VAC and 24 VAC standard
Torque:	10 foot pounds / 13.6 NM (each axis)
Rotation Speed:	Up to 10 degrees per second
Gear Backlash:	36 arc minutes
Scan Range:	360 degrees

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