

PT-25 Didson Kit



**The most functional "turnkey"
sonar positioning system in the world**

**Capability to orient the sonar head
remotely, without mechanical linkage**

Regulated AC/DC Power Supply

**Integrated umbilical cable that
controls all the equipment**



***ROS offers the most functional
"turnkey" sonar positioning system
in the world.***

The PT-25 Didson Kit incorporates a high power underwater pan/tilt, an integrated umbilical cable that controls all the equipment, a topside power supply, and all required mounting brackets and cable management.

It is a natural progression to upgrade your Didson setup with the ROS PT-25. It adds the capability to orient the sonar head remotely, without any need for mechanical linkage. The ROS PT-25 can be controlled directly from the Didson Graphic User Interface - without the need for additional software.

Call your ROS representative for more information today.

ROS has been manufacturing an array of harsh environment cameras, lights, positioners, and specialized systems designed for oceanographic, nuclear, industrial, and military applications for over 34 years.

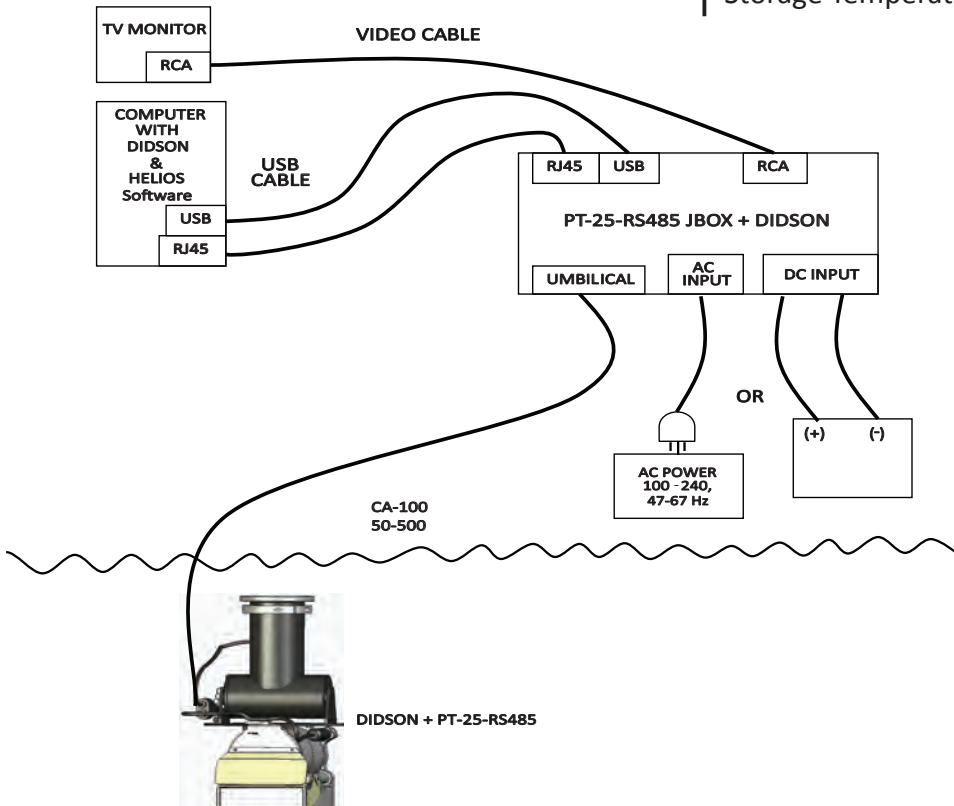
PT-25 Didson Kit

JUNCTION BOX

| | |
|-----------------------|--|
| AC Power Input | 100-240 VAC, 47-63 Hz 1.2 Amps @ 120 VAC |
| DC Power Input | 24 - 30 VDC 5 Amps @ 24 VDC |
| Operating Temperature | 0°C to +50°C (32°F to +122°F) |
| Storage Temperature | -10°C to + 85°C (-23°F to 185°F) |
| Environmental | Splash-proof |
| Dimensions LxWxH | 9.17 in x 6.37 in x 4.5 in (232.9 mm x 161.8 mm x 114.3 mm) |
| Weight | 4.55 lbs (2.06 kg) |
| Materials | Hard anodized cast aluminum, white powder coat finish |

PT-25-FB-485

| | |
|------------------------------|--|
| Power | 24-28 VDC, 1.7 amps (max) per axis @ 24 VDC |
| Torque | 45 lb-ft (61 N-m) min @5°/sec |
| Rotation Speed (160:1 gears) | 0.5° to 10°/sec |
| Harmonic Gear Backlash: | 0.016° |
| Scan Range | 12° to 348° pan, +/- 90° tilt |
| Resolution | +/- 0.5° |
| Housing Material | Anodized 6061-T6 Aluminum |
| Height | 286 mm (11.25 in) |
| Width - Air-filled | 199 mm (7.85 in) |
| Oil-filled(w/bellofram) | 243 mm (9.55 in) |
| Length w/o Connector | 126 mm (4.95 in) |
| Main Body Diameter | 107 mm (4.20 in) |
| Output Shaft Diameter | 38.1 mm (1.50 in) |
| Weight in Air | |
| Air filled | 8.7 kg (19.2 lbs) |
| Oil filled | 9.8 kg (21.5 lbs) |
| Weight in Water | |
| Air-filled | 4.6 kg (10.2 lbs) |
| Oil-filled | 5.7 kg (12.5 lbs) |
| Operating Depth Rating | |
| Air filled | 30 m (100 ft) |
| Oil filled | 3,000 m (10,000 ft) |
| Operating Temperature | up to +50°C (122°F) |
| Storage Temperature (in air) | -20°C to +60°C (-4°F to 140°F) |



5618 Copley Drive
San Diego, CA 92111 USA
Tel (858) 565-8500
Fax (858) 565-8808
East Coast Office (804) 754-3936

www.rosys.com
sales@rosys.com