

**Models Covered: QPT-20IC Marine (Integrated Control)
Pan & Tilt Positioning Systems**



(Pass-through wiring optional)

Key Features:

- Available in 24 VDC model, power supply optional
- Designed for the Marine environment (ASTM B117)
- Repeatability to 0.25°
- Comprehensive Protocol Command set allows complete operation control and configuration via any controller compatible with EIA **RS232** or **RS422** communication. Includes auto-baud detection & 6 foot test cable.

Set-up commands include:

- Electronic limit of motion for both pan and tilt.
- Setting of minimum and maximum speeds
- Establishing 32 preset locations, including "home position"
- "Tour" feature allows construction of up to 63 steps of the preset positions continuously cycling with variable dwell times between them. Three tours may be stored in "on board" memory.
- Alignment to local or global coordinates.
- Includes test software (Requires Windows 95 SR2, 98, ME or XP; not compatible with Windows NT or 2000)

Test software features include:

- Access to all setup parameters.
- Virtual joystick for jog position
- Visual analog and digital position indicators, plus destination readouts
- "Move To" feature via absolute direct entry, delta direct entry, and "move to home"
- Set up and access of tour feature.
- Diagnostic communication and fault indicators
- Protocol analyzer
- Move monitor allows logging of positions acquired

For Those Who Demand Durability!

PRELIMINARY SPECIFICATIONS OF QPT-20IC MARINE

STANDARD MODEL QPT-20IC (Integrated Control)

MODEL	QPT 20IC MARINE
VOLTAGE	24/28 VDC
LOAD CAPACITY	UP TO 20 POUNDS*
PAN RANGE	435 DEG (± 217.5 DEG)
PAN SPEED	0.3-8 DEG/SEC (OTHER RANGES AVAILABLE)
TILT RANGE	180 DEG (± 90 DEG)
TILT SPEED	0.1-3 DEG/SEC (OTHER RANGES AVAILABLE)
MOTOR TYPE	DIRECT CURRENT PERMANENT MAGNET
CONNECTOR	MIL SPEC 17 PIN (MATING CONNECTOR SUPPLIED)
WEIGHT	APPROXIMATELY 14 POUNDS
DRIVE TRAIN	STEEL GEAR AND WORM (COATED), & SELF-ALIGNING BEARING
MICROPROCESSOR CONTROL	INTERNAL
LIMIT SWITCHES	INTERNALLY ADJUSTABLE "HARD LIMITS", ELECTRONICALLY ADJUSTABLE "SOFT LIMITS"
BACKLASH	ADJUSTABLE
REPEATABILITY	0.25 DEG
MATERIAL	HOUSING-ALUMINUM 6061-T6, HARDWARE STAINLESS STEEL
EXTERIOR COLOR	TIGER-DRYLAC SERIES 38, CAPE COD WHITE MARINE POWDERCOAT, CUSTOM COLORS AVAILABLE
ENCLOSURE	ALUMINUM EXTRUSION, ENVIRONMENTALLY GASKETED AND SEALED
OPERATING TEMP. RANGE	-5 DEG F TO +131 DEG F (-15 DEG C TO +55 DEG C) WITHOUT HEATER
OPERATING TEMP. RANGE	-22 DEG F TO +131 DEG F (-30 DEG C TO +55 DEG C) WITH HEATER
HEATER	STANDARD
POSITION FEEDBACK	POTENTIOMETER

*Specifications may change without notice

