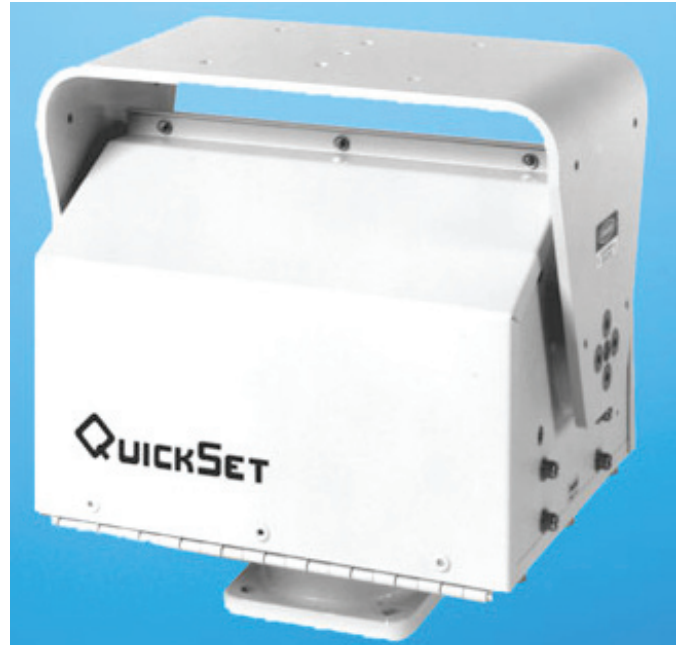


The QPT-90 unit is designed for Heavy Duty mobile and fixed operation in the most hostile environments.

It features all-metal gearing for improved durability, aluminum housing with a powder coat finish (for white & black models), and improved corrosion resistance.

The unit has single-bolt cover access for internal limit switch adjustments. Position feedback and an optional heater is available on most models.



Key Features

Designed for Heavy Duty Operation and Fixed Operation

435° pan rotation, ± 90° tilt motion

90ft.-lbs.(12 kg-m) load capacity

Various voltages available for fixed and variable speed models

All metal gearing

Aluminum housing with powder coat finish

Potentiometers (for position feedback) available on certain models

Stainless steel hardware

Gasketed to withstand water and dust penetration

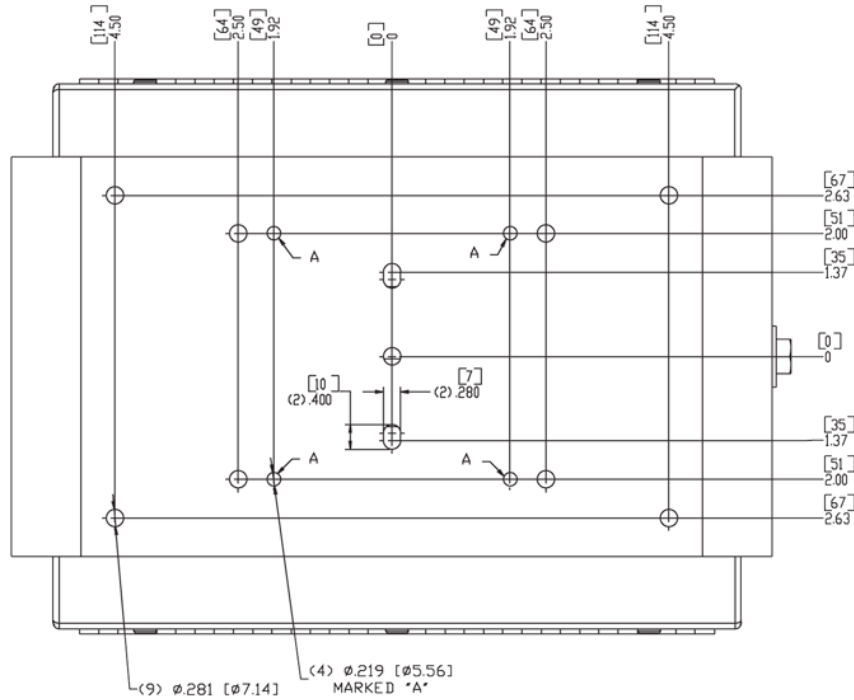
Zero adjustable backlash

Heater and Stainless Steel Base options

Key Features continued

Voltage:	12 VDC	24 VDC	115 VDC	24VAC	115VAC
Load Capacity:	90ft.-lbs. (12 kg-m)	90ft.-lbs. (12 kg-m)	90ft.-lbs. (12 kg-m)	90ft.-lbs. (12 kg-m)	90ft.-lbs. (12 kg-m)
Duty Cycle:	Intermittent	Intermittent	Intermittent	Intermittent	Intermittent
Pan Range:	435° (±217.5°)	435° (±217.5°)	435° (±217.5°)	435° (±217.5°)	435° (±217.5°)
Pan Speed:	.5° - 10° / sec.	.3° - 8° / sec	.3° - 8° / sec	8°/sec	8°/sec
Pan Torque:	30 ft.-lbs	30 ft.-lbs	30 ft.-lbs	30 ft.-lbs	30 ft.-lbs
Pan Motor Current:	2.0 amp	1.9 amp	0.2 amp	1.2 amp	0.25 amp
Tilt Range:	180° (±90°)	180° (±90°)	180° (±90°)	180° (±90°)	180° (±90°)
Tilt Speed Range:	0.1° - 3° / sec.	0.1° - 4.5° / sec.	0.1° - 3° / sec.	2.5/sec	2.5/sec
Tilt Torque:	90 ft.-lbs	90 ft.-lbs	90 ft.-lbs	90 ft.-lbs	90 ft.-lbs
Tilt Motor Current:	0.4 amp	2.7 amp	0.4 amp	1.9 amp	0.4 amp
Motor Type:	Permanent Magnet	Permanent Magnet	Permanent Magnet	PM Split capacitor	PM Split capacitor
Connector:	17 pin (mating connector included)				
Weight:	37 lbs (16.8 kg)				
Dimensions:	12.31"H x 12.36"W x 8.87"D (313mmH x 314mmW x 225mmD)				
Drivetrain:	Steel gear & worm, ball & tapered roller bearings, steel chain				
Limit Switches:	Internal, adjustable				
Backlash:	Adjustable to 0				
Repeatability:	0.25° with potentiometers				
Material:	Housing - Aluminum 6061 - T6, External Hardware & Covers - Stainless Steel				
Exterior Color/Finish:	Dupont 326162A, Ford PFWS9 Powder Coated (custom colors/private labeling upon request)				
Environmental Enclosure:	Gasketed & sealed to withstand water & dust penetration				
Heater:	120 volt, 450 watt				
Operating Temperature:	+5°F to +131°F (-15°C to +55°C) (without heater operating) -22°F to +131°F (-30°C to +55°C) (with heater operating)				

QPT-90 TABLE TOP MOUNTING HOLE DIMENSIONS



Dimensions are in inches [mm]

