

KEEP POSITION

PMH KP - 200

PETTER'S MARINE HYDRAULICS' "KEEP POSITION"

(KP) system is a dynamic positioning system for integration with the MPTC system or other control systems, which enables the vessel to keep its position or station relative to an ROV or other objects. The KP system is tuned to the individual vessel, and optimized with respect to the vessel's area of operation, which reduces both wear and tear on the vessels propulsion equipment and brings down the fuel costs. In situations where weather causes manual operations to seas due to increased risk, **PETTER'S MARINE HYDRAULICS'** KP system will expand the window of operation, making the operation both safe and reliable. Being able to perform an operation in difficult conditions reduces "waiting on weather" periods, ensures cost efficiency and keeps the project or delivery on schedule.



FUNCTIONALITY -

KP, Joystick, Auto Heading and Auto Speed

The KP-200 includes the KP, Joystick, Auto Heading and Auto Speed-mode to the system, together with a Graphic User Interface (GUI). KP-mode keeps your vessel in a desired position and heading, where the joystick lets you step your position in prefixed steps. Using Joystick-mode makes docking and maneuvering both quick and easy, as the KP system directs all propulsion and maneuvering equipment to move the vessel in the desired direction. The Auto Heading/Auto Speed-mode lets you direct the vessel in a desired heading and speed, compensated for drift due to wind and current. The GUI displays a variety of data from weather sensors, positioning systems, feedback from propulsion equipment etc. The GUI also lets you configure a variety of parameters to prepare the vessel for a specific operation, with respect to weather, position accuracy and safety.

The KP system is prepared for integration with thruster controlsystems such as **PETTER'S MARINE HYDRAULICS'** MOTOR PITCH and THRUSTER CONTROL (MPTC), but can also be used with any other system. Please see the MPTC brochure or visit **PETTER'S MARINE HYDRAULICS'** homepage WWW.PMH.NO for more information on this products.

TECHNICAL SPECIFICATIONS

Power	
Input voltage	24 DC (±15%)
Control panel	
Power consumption	< 5 W

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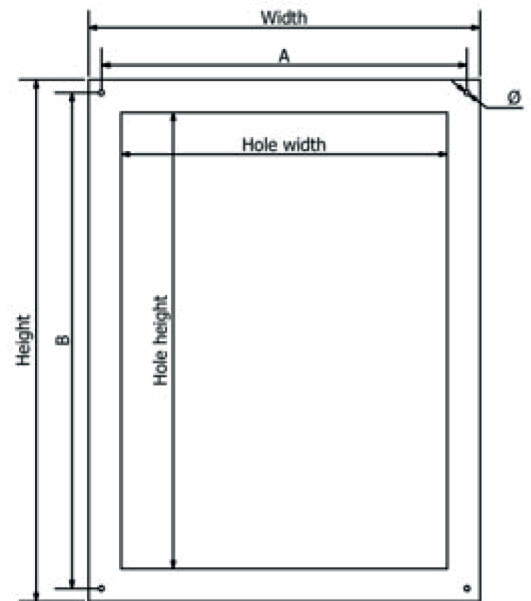
Operator display	
Powerconsumption	< 25 W
Control cabinet	
Powerconsumption	< 250 W
Data input	
GPS	RS 485
Windsensor	RS 485
Compass	RS 485
Physical and environmental	
Operating temperature	0 to + 50°C
Storage temperature	-15 to +70°C
Humidity - operating	0-85% RH
Weight	
Control panel	0.3 kg
Operator display	2.5 kg
Control cabinet	< 50 kg
Dimensions (WxDxH)	
Control panel	120 x 160 x 200 mm
Operator display	315 x 241 x 48.5 mm
Control cabinet	600 x 600 x 300 mm
Standards and sertications	
Designed to meet	CE/FCC
Noise immunity	IEC61000-4-4, 2KV
Operator display tightness	IP65F
Cabinet tightness	IP65

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TECHNICAL DRAWINGS

Control panel

Width = 120
 Height = 160
 Hole width = 100
 Hole height = 140
 A = 106
 B = 146
 Ø = 4



Operator display

Width = 315
 Height = 241
 Hole width = 302
 Hole height = 228
 A = 6,5
 B = 6,5

Panel thickness: 2 to 6 mm

