

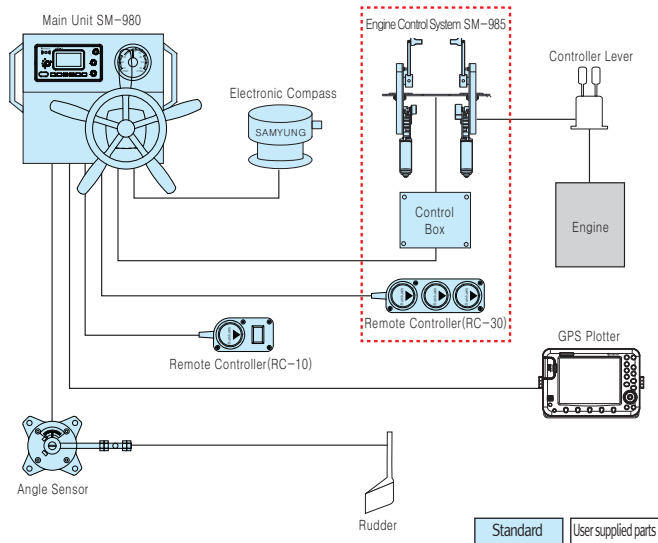


SM-980 SM-980 + SM-985 Manual

Engine Control System



Configuration



Feature & Specifications

- ▶ Can be easily installed on board
- ▶ Auto navigation available with GPS Plotter connected
- ▶ Can save the fuel consumption due to navigation in straight line without an error by using newly developed electronic compass
- ▶ Static magnetic sense adopted on angle sensor allows semipermanent use
- ▶ Direction resolution : 0.5° (Electronic Compass)
- ▶ Direction setting resolution : 1° ▶ Temperature : -15° C ~ +55° C
- ▶ Power : DC 18~32V (+24VDC)

Components

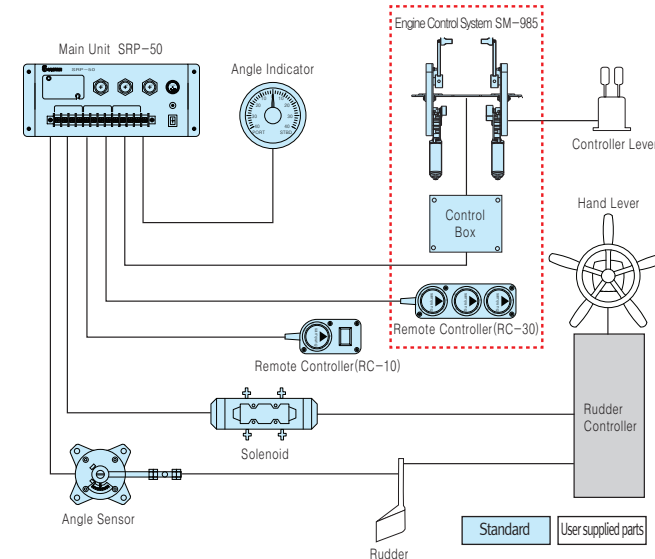
- Standard (SM-980)
 - Main Unit (SM-980)
 - Electronic Compass (ES-95)
 - Angle Sensor (FS-80)
 - Angle Indicator (FM-80)
 - Remote Controller (RC-10)
- Standard (SM-980+SM-985)
 - Main Unit (SM-980)
 - Electronic Compass (ES-95)
 - Angle Sensor (FS-80) • Angle Indicator (FM-80)
 - Remote Controller (RC-30)
 - Engine Controller (SM-985)
 - Control Box (SM-985C)

SRP-50 SRP-50 + SM-985 Remote

Engine Control System



Configuration



Feature & Specifications

- ▶ Compact, lightweight and easy to install regardless in places
- ▶ Available to use two remote controls at the same time
- ▶ Information of Vessel's helm displayed with remote FND
- ▶ Precise left and right steering can be available by dial-steering method
- ▶ Convenient steering is possible with remote control around the vessel
- ▶ Relieve labor, fuel savings and reduced operations hours
- ▶ Temperature : -15° C ~ +55° C ▶ Power : DC 18~32V (+24VDC)

Components

- Standard (SRP-50)
 - Main Unit (SRP-50)
 - Angle Sensor (FS-80)
 - Angle Indicator (FM-80)
 - Solenoid (SV-20)
 - Remote Controller (RC-10)
- Standard (SRP-50+SM-985)
 - Main Unit (SRP-50)
 - Angle Sensor (FS-80)
 - Angle Indicator (FM-80) • Solenoid (SV-20)
 - Remote Controller (RC-30)
 - Engine Controller (SM-985)
 - Control Box (SM-985C)

* Specification is subject to change without pre-notice



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Built-in intelligent technology
that ensures accurate navigation to destination without error

Auto Pilot • Engine Control System

Save manpower, time and energy



SM-985



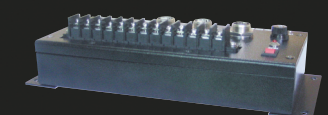
SAS-70



SAS-7



SM-980



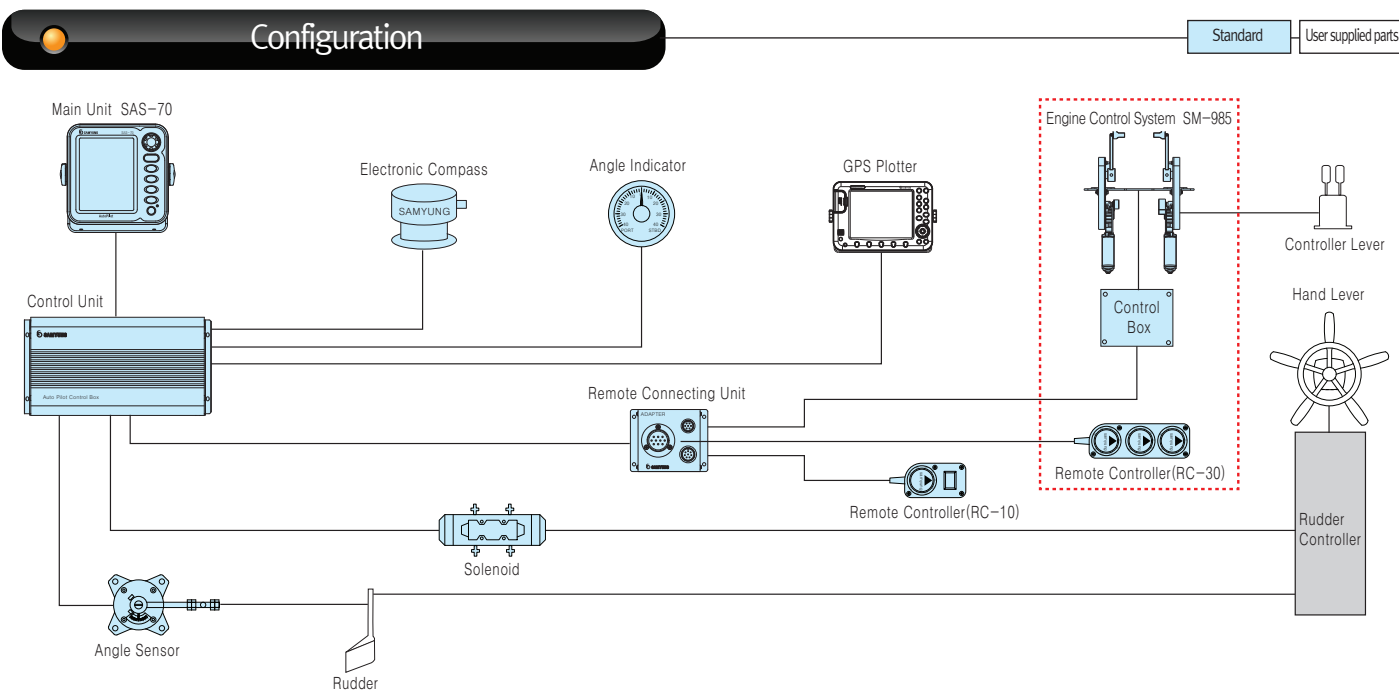
SRP-50





SAS-70 SAS-70 + SM-985 Intelligent

External GPS Compass
can be connected

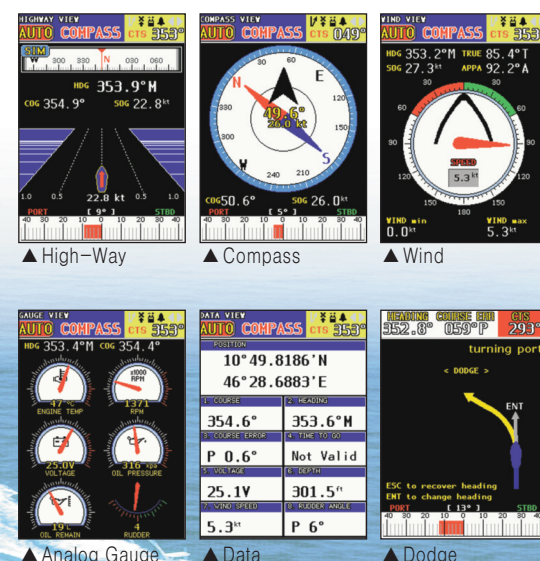


Feature & Specifications

- ▶ High contrast 5.6" colour TFT LCD
- ▶ Improvement of straight navigation by compatible GPS COMPASS
- ▶ Various navigation data display on screen improves concentration on auto steering
- ▶ Auto navigation available with GPS Plotter connected
- ▶ Simpt to connect with existing Auto Pilot System
- ▶ Display : 5.6" color TFT LED
- ▶ Heading Angle Resolution : 0.5°(Electronic Compass)
- ▶ Direction Setting Resolution : 1° ▶ Temperature : -15°C ~ +55°C

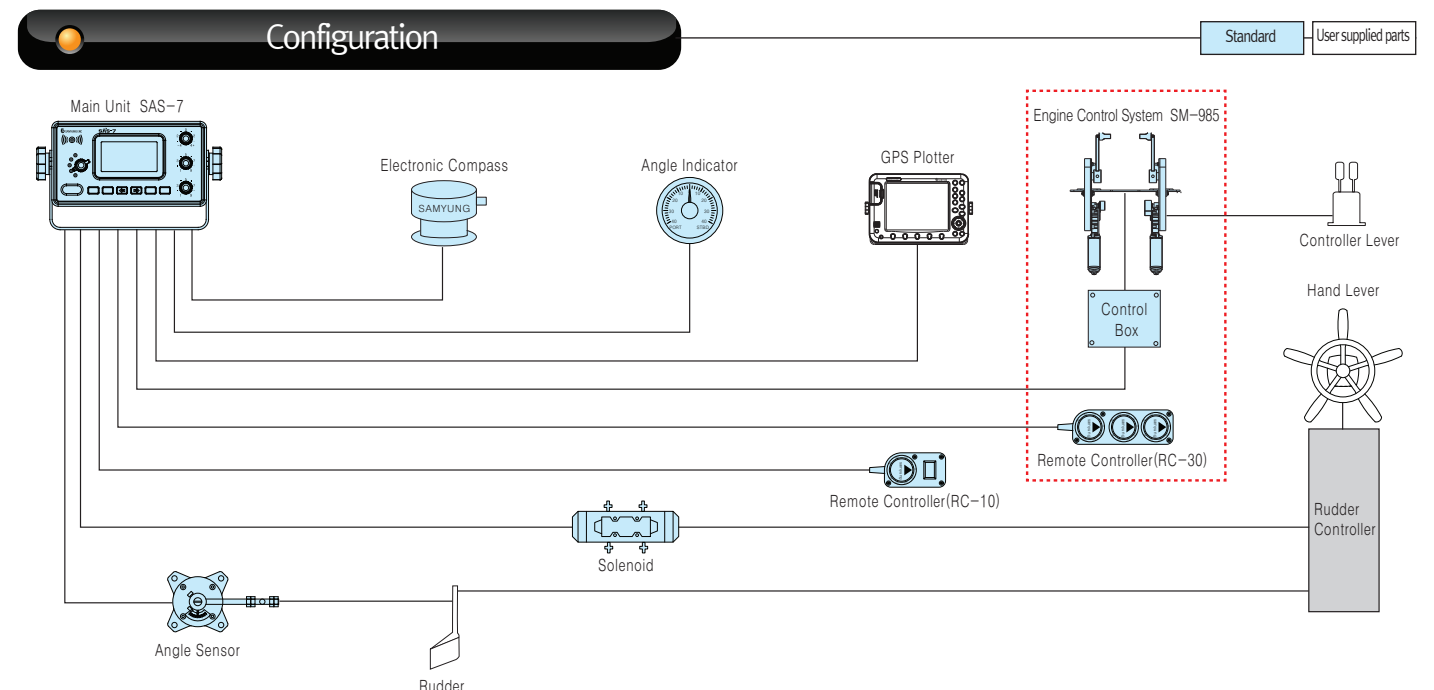
Components

- Standard(SAS-70)
 - Main Unit(SAS-70)
 - Control Unit(SAS-70C)
 - Remote Connecting Unit(SAS-70A)
 - Electronic Compass(ES-95)
 - Angle Sensor(FS-80)
 - Solenoid(SV-20)
 - Angle Indicator(FM-80)
 - Remote Controller(RC-30)
 - Engine Controller(SM-985)
 - Control Box(SM-985C)
- Standard(SAS-70+SM-985)
 - Main Unit(SAS-70)
 - Control Unit(SAS-70C)
 - Remote Connecting Unit(SAS-70A)
 - Electronic Compass(ES-95)
 - Angle Sensor(FS-80)
 - Solenoid(SV-20)
 - Angle Indicator(FM-80)
 - Remote Controller(RC-30)
 - Engine Controller(SM-985)
 - Control Box(SM-985C)



SAS-7 SAS-7 + SM-985 Motor Driven

External GPS Compass
can be connected



Feature & Specifications

- ▶ Improvement of bearing by high-density integrated circuit
- ▶ Improvement of straight navigation by compatible GPS COMPASS
- ▶ All information in one large LED screen
- ▶ Able to compensate difference on electronic compass automatically by ship turning 360°
- ▶ Self-diagnosis function when alert message occurs.
- ▶ Rubber keyboard allows easy operation and permanent durability

Components

- Standard(SAS-7)
 - Main Unit(SAS-7)
 - Electronic Compass(ES-95)
 - Angle Sensor(FS-80)
 - Solenoid(SV-20)
 - Angle Indicator(FM-80)
 - Remote Controller(RC-10)

- ▶ Available on auto navigation when connected with GPS Plotter
- ▶ Power : DC 18~32V (+24VDC)
- ▶ Heading Angle Resolution : 0.5°(Electronic Compass)
- ▶ Direction Setting Resolution : 1°
- ▶ Temperature : -15°C ~ +55°C
- ▶ GPS Plotter I/F(Conection Signal) : RS-232C (NMEA-0183)
- ▶ Signal output of solenoid : Max. 3A, +Common, -Output

- Standard(SAS-7+SM-985)
 - Main Unit(SAS-7)
 - Electronic Compass(ES-95)
 - Angle Sensor(FS-80)
 - Solenoid(SV-20)
 - Angle Indicator(FM-80)
 - Remote Controller(RC-30)
 - Engine Controller(SM-985)
 - Control Box(SM-985C)