

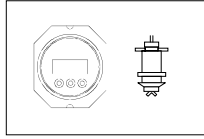
# Instruments

Sales jap. Yen, incl. sales tax January '01

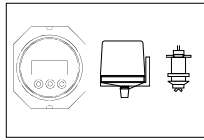
For Web Orders deduct  
20% from prices below!

## Log-6 (61 00 00)

¥ 69,515



Digital and analog speed display, trip distance, water temperature, trip time, race timer, stop-watch, average speed, total log, battery voltage and NMEA data. All other functions in the system may be displayed as well, if desired (e.g. wind or depth etc.)

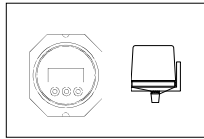


## Log + Compass-6 (92 00 00)

¥ 103,014

Same functions as on Log-6 and Compass-6, shown on a single display. All other functions in the system may be displayed as well, if desired (e.g. wind or depth etc.)

## Compass-6 (91 00 00)



Heading-Hold function, heading selection and autopilot control. Analog LED-pointer for heading deviation, analog rudder angle display, automatic compensation of deviation, optional heading gyro. Other functions in the system may also be displayed.

¥ 89,726

Version with Autopilot-Display: 91 00 01

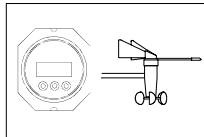
¥ 91,824

Only sensor (without display): 91 01 05

¥ 33,499

## Wind-6 (81 00 00)

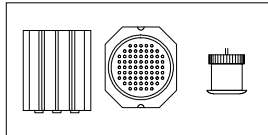
¥ 114,973



Digital and analog display of apparent and true wind angle, apparent and true wind speed, VMG and NMEA data. Other functions in the system may be displayed as well, if desired (e.g. speed or depth).

(Price without display; sensor connected to other display: ¥ 58,745)

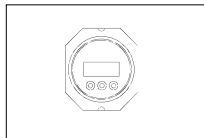
## Echo-6 (71 00 01)



Vocal depth alarm (deep and low alarm) and vocal heading alarm (if a compass is in the system). The Echo-Box is connected to any display unit in the system. Depth can be read on all displays. Complete set, including Echo-Box-1, Transducer and Alarm-Speaker ¥ 70,914  
(version without alarm: # 72 00 01 / with Echo-Box-2 ¥ 42,940)

## Repeater displays: Multi Function Display (30 00 00) or extra Log-, Wind-, Depth- or Compass Display

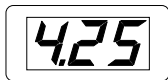
¥ 56,228



Digital and analog display, NMEA data. All functions in the system may be displayed.

**Jumbo Display (40 02 05 yellow or 40 02 10 red)** ¥ 66,438

40 mm tall electro-mechanical digits, in yellow or red fluorescent. All basic functions of the system may be displayed, (e.g. speed, true or appar. wind angle, VMG, depth or external data etc.)



**Jumbo Bus Cable 10m (#50 04 10);** one required per JUMBO group ¥ 4,895

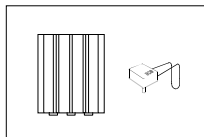
## Additions :



### Sonic Heading Gyro (91 02 05)

¥ 27,904

Provides a non swinging and non dragging, instantly correct heading information for the display and for the autopilot. Instant transmission of turn rate. Improves autopilot performance dramatically. Synchronised by flux gate compass to magnetic north.



### Autopilot-6

23 01 00 Autopilot Computer (Drive Box)

¥ 61,543

23 00 04 Rudder Angle Sensor

¥ 12,588

**Accessories:** 50 01 15 Batt.cable and Bus term.(or500116 w.3-w.distrib.) ¥ 2,588 (or ¥ 3,287)  
91 01 10 Converter 24V/12V for the Flux Gate Sensor  
(only for a 24 volts supply) ¥ 12,728

Tecnautic: 2-51-16 Chuo, Nakano, Tokyo, 164-0011

Tel.+Fax +81-3-3363 6623 e-mail: ys@tecnautic.com

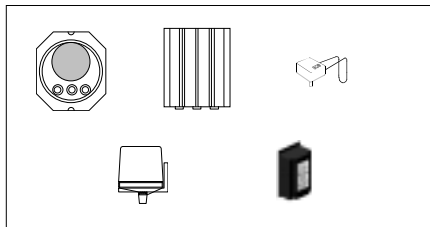
internet: <http://www.tecnautic.com>

# Fly-By-Wire Steering and Autopilot

For Web Orders deduct 20% from prices below!

Sales jap. Yen, incl. sales tax January '01

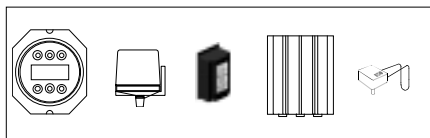
## Fly-By-Wire Steering incl. Autopilot (26 00 01) whole set: ¥184,139



23 10 00 Steering Wheel	¥ 48,605
23 01 00 Autopilot Computer (Drive-Box)	¥ 61,543
23 00 04 Rudder Angle Sensor	¥ 12,588
91 01 05 Flux-Gate Sensor	¥ 33,499
91 02 05 Sonic Heading Gyro	¥ 27,904

A steering wheel, that holds the heading. The steering wheel determines the rate of turn, not the rudder angle. Furthermore is the heading held, with the wheel centered. Autopilot included. For Wind- and Nav-mode you may add the optional Autopilot Display and the Wind sensor. Complete the system with one of the following drives or an already existing rudder drive.

## Autopilot with Sonic Heading Gyro (25 00 00) whole set: ¥193,860

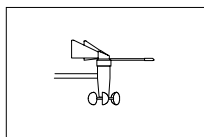


23 01 00 Autopilot Computer (Drive-Box)	¥ 61,543
23 00 04 Rudder Angle Sensor	¥ 12,588
91 00 01 Compass-6 with AP-display	¥ 91,825
91 02 05 Sonic Heading Gyro	¥ 27,904

Autopilot with Heading-, Wind- and Nav-mode (latter modes require wind sensor or GPS resp.). System may be expanded to Fly-By-Wire by adding steering wheels. Complete the system with one of the following rudder drives or an already existing rudder drive.

# 25 00 02 without Gyro: ¥165,956

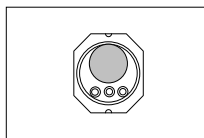
### Additions:



**Wind sensor (81 01 05)** ¥ 52,451

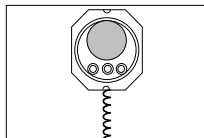
**Mast cabel (81 01 10)** ¥ 6,294

It enables the autopilot to steer any selected apparent or true wind angle and to tack and jybe.



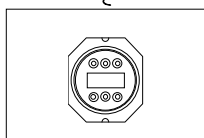
**Steering Wheel (23 10 00)** ¥ 48,605

Very gentle and accurate steering. Every Steering Wheel provides an extra station. Up to eight Steering Wheels are possible. Distance up to 200 m.



**Remote Steering Wheel (23 10 05)** ¥ 62,592

Same as the installed Steering Wheel, but with spiral cable (extends up to 6 m).



**Autopilot Display (23 10 10)** ¥ 58,326

Bus cable and distributor included. The display is used to select the compass-, wind- or nav-mode of the autopilot.

**Accessories:** 50 01 15 Batt.cable and Bus term.(or500116 w.3-w.distrib.)¥ 2,588 (or ¥ 3,287)

91 01 10 Converter 24V/12V for the Flux Gate Sensor  
(only for a 24 volts supply) ¥ 12,728

Tecnautic: 2-51-16 Chuo, Nakano, Tokyo, 164-0011

Tel.+Fax +81-3-3363 6623 e-mail: ys@tecnautic.com

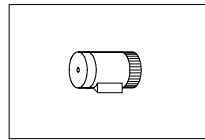
internet: <http://www.tecnautic.com>

# Autopilot Drive Units

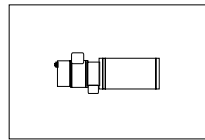
Sales jap. Yen, incl. sales tax January '01

**For Web Orders deduct  
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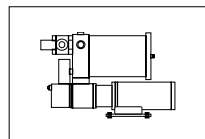
## Hydraulic Pumps



RV1-12 > Hydraulic pump (reversible) 0,1..1,0 l/min,  
RV1-24 > 12 or 24 V, for cylinders up to 216 ccm    ¥ 68,956  
RV2-12 > Hydraulic pump (reversible) 0,2..2,0 l/min,  
RV2-24 > 12 or 24 V, for cylinders up to 432 ccm    ¥ 79,516



RV3-12 > Hydraulic pump (reversible) 0,3..3,0 l/min,  
RV3-24 > 12 or 24 V, for cylinders up to 650 ccm    ¥ 117,141

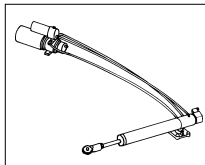


V206412    Non reversible pump 2,4 l/min,  
for cylinders up to 500 ccm    ¥ 138,471

## Linear Drive Units with separate pump; hose length approx. 1m

### Octopus:

V2H50XC-12    Electro hydraulic linear drive  
stroke 300 mm, thrust 6000 N    ¥ 244,073



### Lecomble & Schmitt:

V2H32S-12    Electro hydraulic linear drive  
stroke 200 mm, thrust 2800 N    ¥ 156,654  
V2H32S-24  
V2H40S-12    Electro hydraulic linear drive  
stroke 240 mm, thrust 4800 N    ¥ 163,648  
V2H40S-24  
V2H50S-12    Electro hydraulic linear drive  
stroke 300 mm, thrust 7700 N    ¥ 174,837  
V2H50S-24  
V2H53S-12    Electro hydraulic linear drive  
stroke 300 mm, thrust 7700 N, w. RV3    ¥ 216,798  
V2H53S-24

V2HAC-12	Electrohyd. Linear drive 12Volts for servo assist. Z- and Sterndr. for push pull cable	¥ 114,553
V2HAH-12	Electrohyd. Linear drive 12Volts for servo assist. Z- and Sterndr. for hydraul. steering	¥ 114,553
VM2200654	Installation kit f. Volvo 853 458 servo assisted steering (cable or hydraul.)	¥ 24,617
VM2200655	Installation kit f. Volvo 872 229 servo assisted steering (cable)	¥ 9,581
VM2200656	Installation kit f. Volvo 872 229 servo assisted steering (hydraul.)	¥ 11,819
VM2200657	Installation kit f. Mercuriser servo assisted steering (cable)	¥ 10,350
VM2200658	Installation kit f. Mercuriser servo assisted steering (hydraul.)	¥ 12,588

## Servo Valve (Moog Valve):

Price and type on request.

Tecnautic: 2-51-16 Chuo, Nakano, Tokyo, 164-0011

Tel.+Fax +81-3-3363 6623 e-mail: ys@tecnautic.com

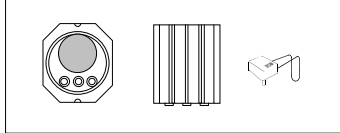
internet: <http://www.tecnautic.com>

# Servo Steering and Trim Flap Control

Sales jap. Yen, incl. sales tax January '01

*For Web Orders deduct  
20% from prices below!*

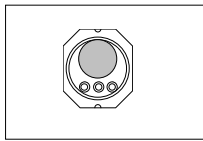
## Multi Station Servo Steering



23 10 00 Steering Wheel	¥ 48,605
23 01 00 Autopilot Computer (Drive-Box)	¥ 61,543
23 00 04 Ruder Angle Sensor	¥ 12,588

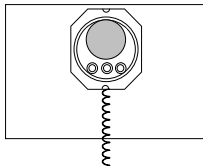
Very gentle and accurate steering. Every Steering Wheel provides an extra steering station. Up to eight Steering Wheels are possible. Distance up to 200 m. Complete the system with one of the following or an already existing rudder drive.

### Additions:



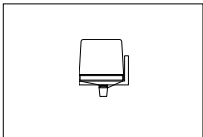
**Steering Wheel (23 10 00)** ¥ 48,605

Additional Steering Wheels, up to eight of them, can be connected. Distance up to 200 m.



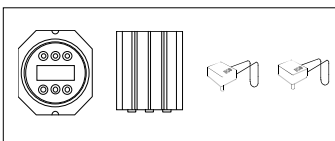
**Remote Steering Wheel (23 10 05)** ¥ 62,592

Same as the installed Steering Wheel, but with spiral cable (extends up to 6 m).



**Flux-Gate Sensor (91 01 05)** ¥ 33,499

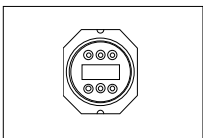
## Trim Flap Control



23 10 12 Trim Display	¥ 58,326
23 01 02 Trim Box	¥ 61,543
23 00 05 Trim Flap Sensor	¥ 12,588
23 00 05 Trim Flap Sensor	¥ 12,588

Manual or automatic flap control.

### Additions:



**Trim Display (23 10 12)** ¥ 58,326

Additional Trim Display for extra steering station

**Accessories:** 50 01 15 Batt.cable and Bus term.(or500116 w.3-w.distrib.)¥ 2,588 (or ¥ 3,287)

91 01 10 Converter 24V/12V for the Flux Gate Sensor  
(only for a 24 volts supply) ¥ 12,728