

## **DOPPLER SPEED LOG**

# **TD-310**







TOKIMEC INC.

A high-accuracy Log complying with the requirements of IMO, Many signal output functions as standard and Easy installation.

The TD-310 Doppler Speed Log is designed in accordance with the requirements of IMO regulation and has high accuracy, many signals' output functions such as ship's speed and distance etc..

The size of units are reduced as small as possible (the display unit particularly is 1/14 in volume and 1/5 in mass compared to TD-501), and easy to install in ships such as coastal ships and ocean going ships.

#### **FEATURES**

The TD-310 adopts the paired-beam system in which the sonic energy is directed ahead and

This virtually minimizes doppler shift errors caused by the ship's motions.

Furthermore, by receiving the echoes selectively from about 3 m below the ship's hull, the TD-310

- minimizes adverse wake influences.

  By virtue of its non-protruding, flush-mount design, the transducer of the TD-310 is completely free from the damage caused by drift ice or wood. Moreover, it needs not to be retracted before
- entering a port or extended after leaving it.

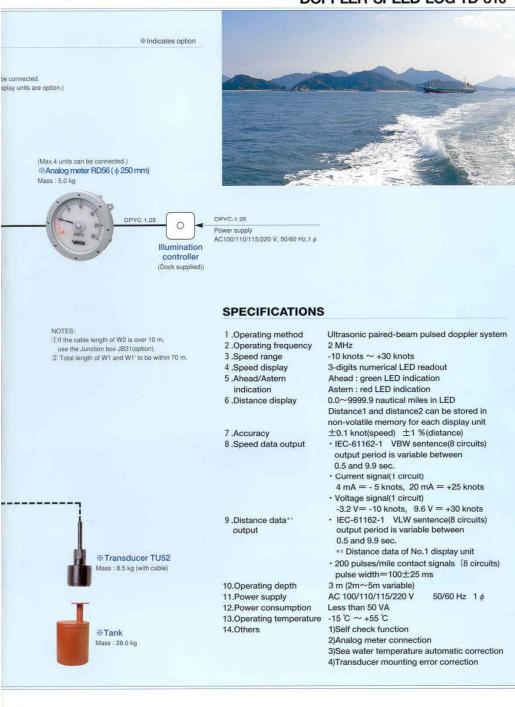
  Total cumulative distance(DISTANCE 1) and distance since reset(DISTANCE 2) are memorized for each display unit.

  •Up to 3 Display units and 4 Analog meters can be
- connected
- Auxiliary output signals as standard
   Digital interface (IEC-61162-1 VBW,VLW) : 8
  - 200 pulses/mile contact signals : 8 circuits · Current signal (4-20 mA) : 1 circuit · Voltage signal : 1 circuit
- Low cost and simplicity of installation
- All special cables are supplied by TOKIMEC.
   Size of main units are reduced and as a result, system can be installed with ease and low cost. Especially, the depth of the display unit is reduced to about 30 mm.

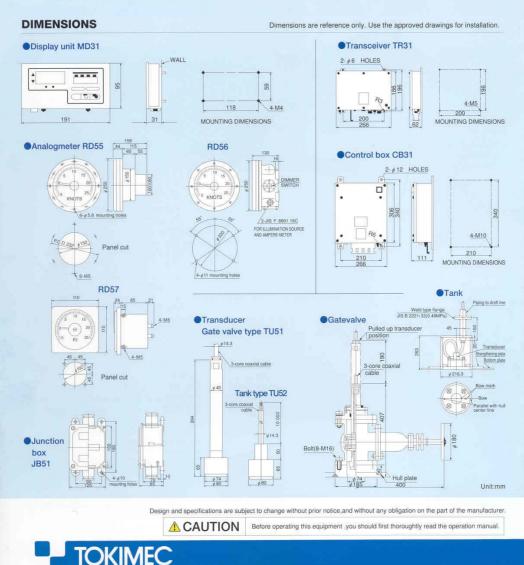


COMPOSITION

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Printed September.2000 in Japan. Cat.No.1208-1-E-2-E