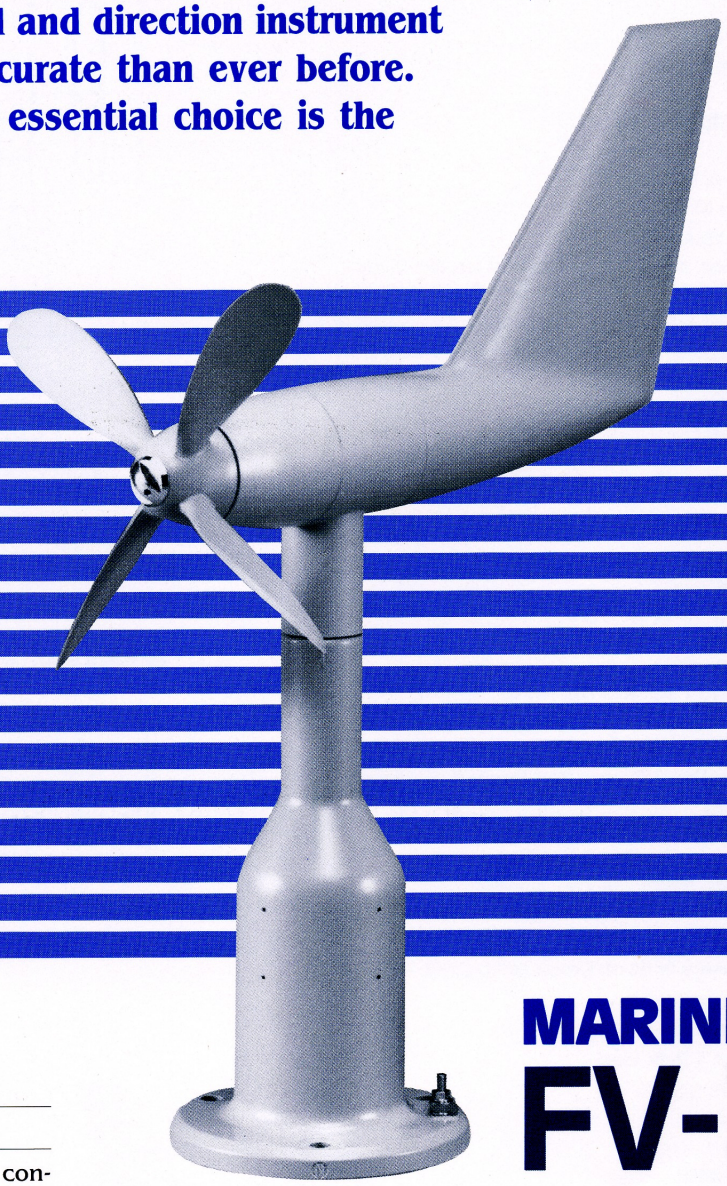
TAMAYA

In pursuing the highest achievements in design and function, Tamaya has engineered a more compact and lightweight anemometer. A new compact design (2/3 smaller and 1/5 the weight of recent models), and improved function through a patented internal optical pulse system, make this wind speed and direction instrument more durable and accurate than ever before. In anemometers, the essential choice is the Marine Vane FV-301.



MARINE VANE FV-301

Compact and Lightweight. Easy to Install.

The transmitter housing is constructed of plastic, reducing weight by 1/5 and overall area by 2/3 which allows for easy installation.

High Durability Propeller.

Wind speed finder propeller is made of high durability, lightweight glass fiber polycarbonate.

Increased Accuracy Through Optical Technology.

Patented non-contact system for wind measurement uses optical fiber instead of the traditional spring mechanism and the wind direction finder employs an 8-bit encoder. Both features provide increased reliability and accuracy.

Easy-to-read Analog and Digital Displays.

Separate display systems in indicator provide a digital read-out of average wind speed and an analog (LED) display for momentary change in wind direction and speed.

Direct Reading In Either m/s or knots Can Be Selected.

Digital Read-out Updates Average Wind Speed Every 10 Minutes.

Digital Illumination Can Be Adjusted By Remote Control for Night Voyages. (Optional)

MARINE VANE FV-301

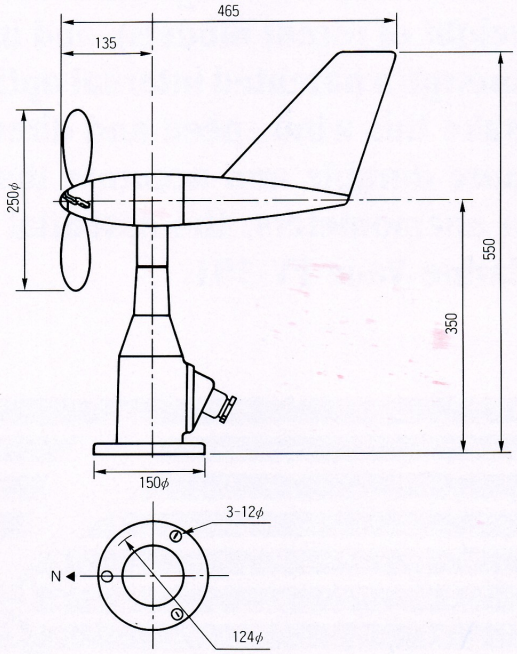
■ TRANSMITTER SPECIFICATIONS

TYPE	**Wind Direction Finder Area:** Absolute Encoder Type, 8-bit gray code. **Wind Speed Finder Area:** Non-Contact System by Optical Pulse
OUTPUT	**Wind Direction:** 256 partition dial, 8-bit gray code serial signal **Wind Speed:** 24 pulse/One revolution pulse signal
STARTING OPERATIONS	**Wind Direction:** Below 2m/s **Wind Speed:** Below 2m/s
WIND SPEED RESISTANCE	**Maximum Wind Speed:** 90 m/s
MEASURING RANGES	**Wind Direction:** All Azimuths, 360° **Wind Speed:** 2～60 m/s
ACCURACIES	**Wind Direction:** Within ±5° **Wind Speed:** Below ±0.5 m/s at Wind Speeds of Less Than 10 m/s Below ±5% at Wind Speeds Exceeding 10 m/s
OUTPUT	**Open Collector:** 6p Terminal System, 6 Shafts Sealed
OPERATING TEMPERATURE	−40°C to +40°C
WEIGHT	2.5kg (Approximately)
PAINTING	Munsel Mark 2.5 G7/2

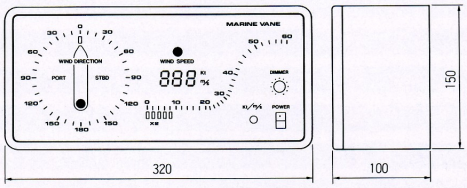
■ INDICATOR SPECIFICATIONS

TYPE	**Digital System** **Wind Direction:** LED 36 Dot Display **Wind Speed:** LED 31 Dot Display m/s, Kt Switch 0～60 m/s 0～60/120 Kt Automatic Switch (×2 Display) LED 7 Segment 3 Lines (Average Display) **Average System** **Wind Speed:** Average Speed Every 10 Minute
FUNCTION	**Data Sampling Time:** 0.25 second (Wind Direction & Wind Speed) **Data Processing** **Momentary Display:** Average Data Every Second, Data Input Every Second **Average Display:** Averages Data Every 10 Minute, Data Input Every 6 Second
ILLUMINATION CONTROL	Brightness Adjustable by Resistor (Optional Remote Control Available)
OUTPUT SIGNAL	Current Loop Serial Signal Transmittal Speed 1200 baud (250 ms)
CONNECTION	Terminal System 6 Shafts Sealed
POWER	AC 100V±10% 50/60 Hz (120V, 220V, 240V)
POWER CONSUMPTION	20VA (Approximately)
OPERATING ENVIRONMENT	**Temperature:** 0°C～40°C **Humidity:** 20%～80%
PAINTING	2.5 G7/2
WEIGHT	2.3kg (Approximately)

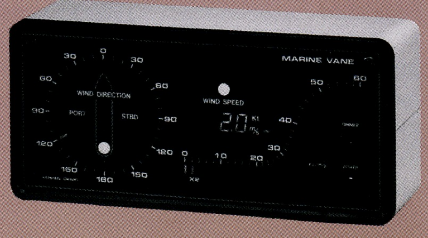
■ Transmitter Dimensions



■ Indicator Dimensions



Manufactured By Koshin Denki Kogyo Co., Ltd.



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