



FTS84/85 series

DIGITAL THERMO AIR VELOCITY TRANSMITTER

Technical Parameters

* Input & Output

Measurement Range	1m/sec, 2 m/sec, 5m/sec, 10 m/sec, 20 m/sec, 40 m/sec, 60m/sec.
Output Signal	0~20mA, 4-20 mA, 0-1V, 0-5V, 0-10 V
Wiring Method	3 wires
Power Supply	8-35 VDC/ 12-30 VAC

* Linearity Accuracy (at 25°C , 45% , 1013 mbar)

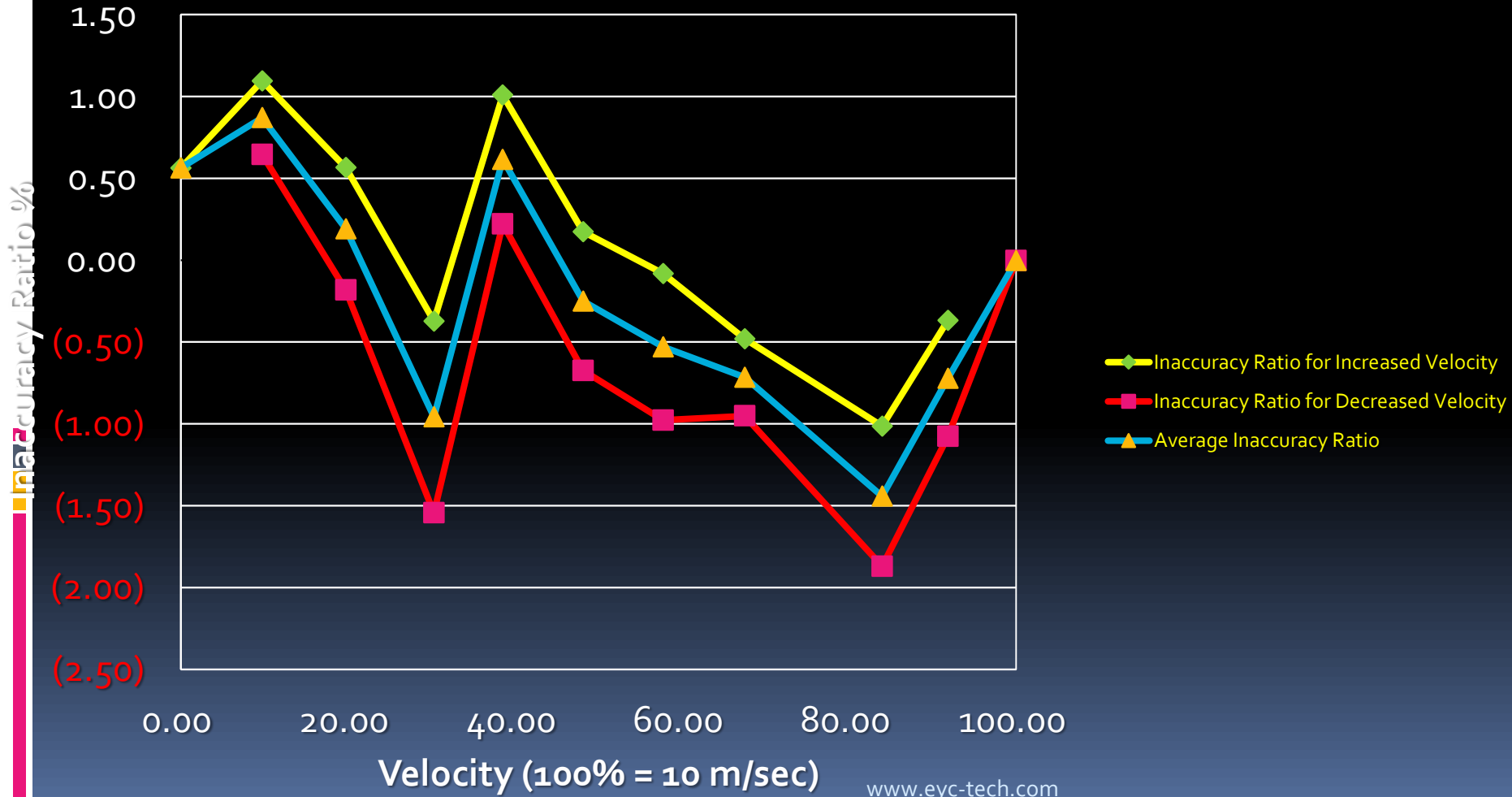
Accuracy	+/- 3% of flow
Uncertainty for Factory Calibration	1% of m.v
Output Impedance (Current)	<= 500 ohm
Output Impedance (Voltage)	>= 10K ohm
Reaction Time	Reaches 90% within 3 seconds
Influences by Installation Angle	< 3% (installation angle < 10 degree)

Characteristics

- Capable of temperature compensation and linear adjustment
- Double line character : air velocity & temperature
- Switch for physical quantity: [m/s], [ft/s], [km/h], [mph], [knot]
- RS-485 Communication Interface, MODBUS RTU protocol
- Configuration measuring range/analog output/ station number by dip switch & RS-485
- **Off SET** function by bottom/ UI software
- Programmable software : DATA LOGGER, record, and chart analysis
- 6 Output Range: 1m/sec, 2 m/sec, 5m/sec, 10 m/sec, 20 m/sec, 40 m/sec, 60m/sec.
- Physical Output Type & Range: 0~20mA, 4-20 mA, 0-1V, 0-5V, 0-10 V
- High Stability & Repeatability
- Low error percentage for different installation angle

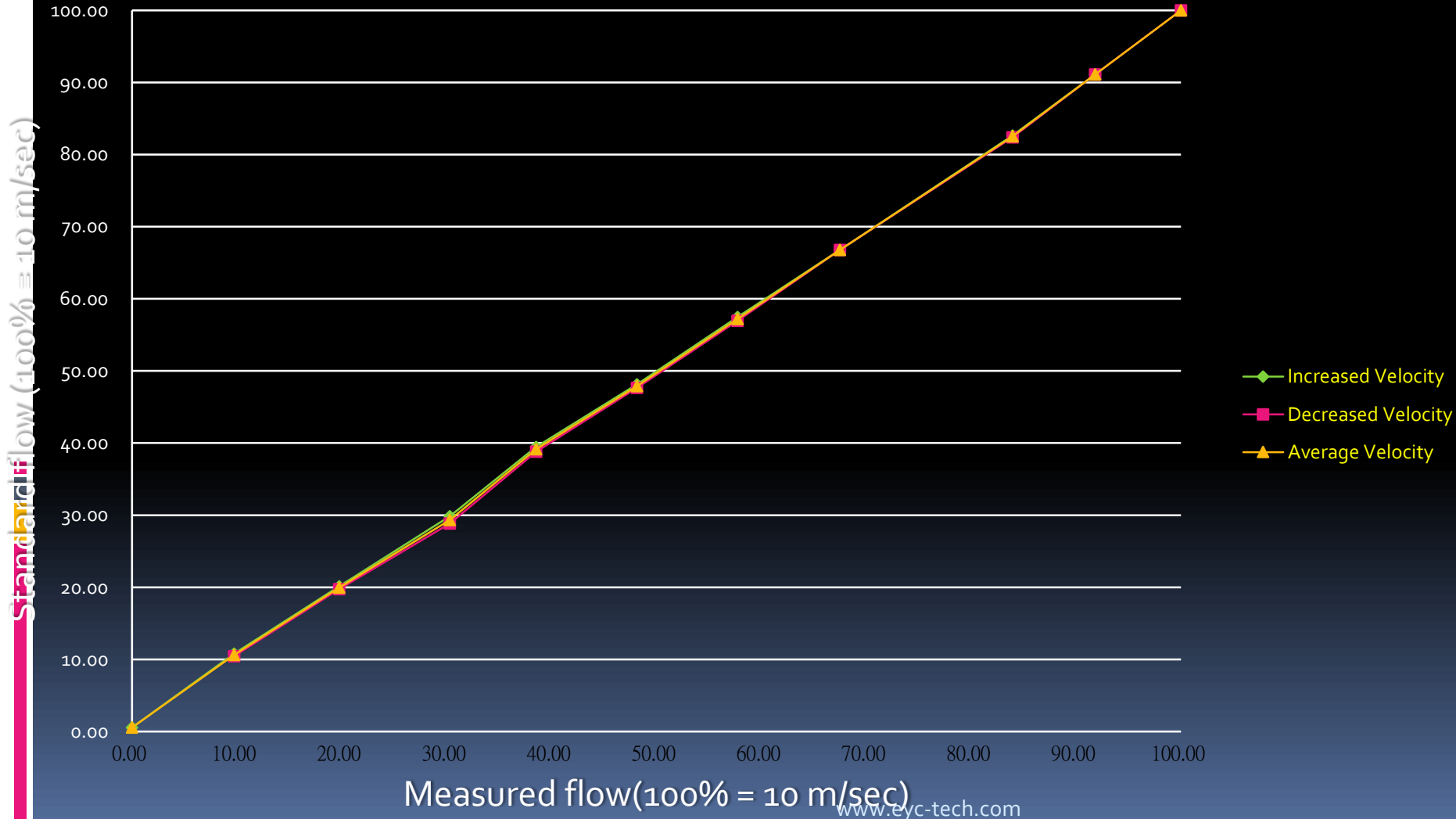
Statistics for Inaccuracy Ratio (10 m/sec)

Required Inaccuracy Ratio < +/- 3%



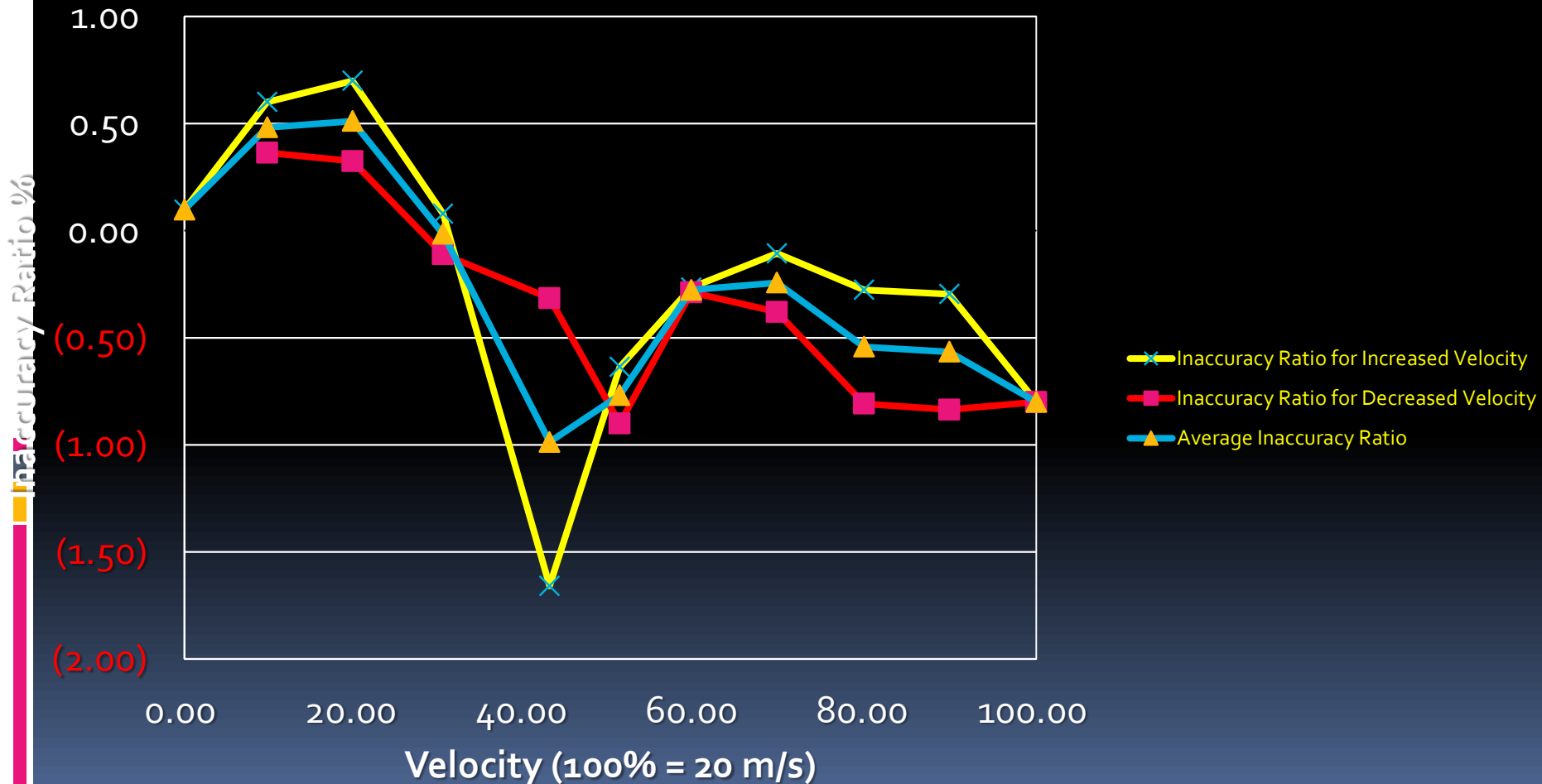
Measurement & Comparison (10 m/sec)

Standard & Measured flow



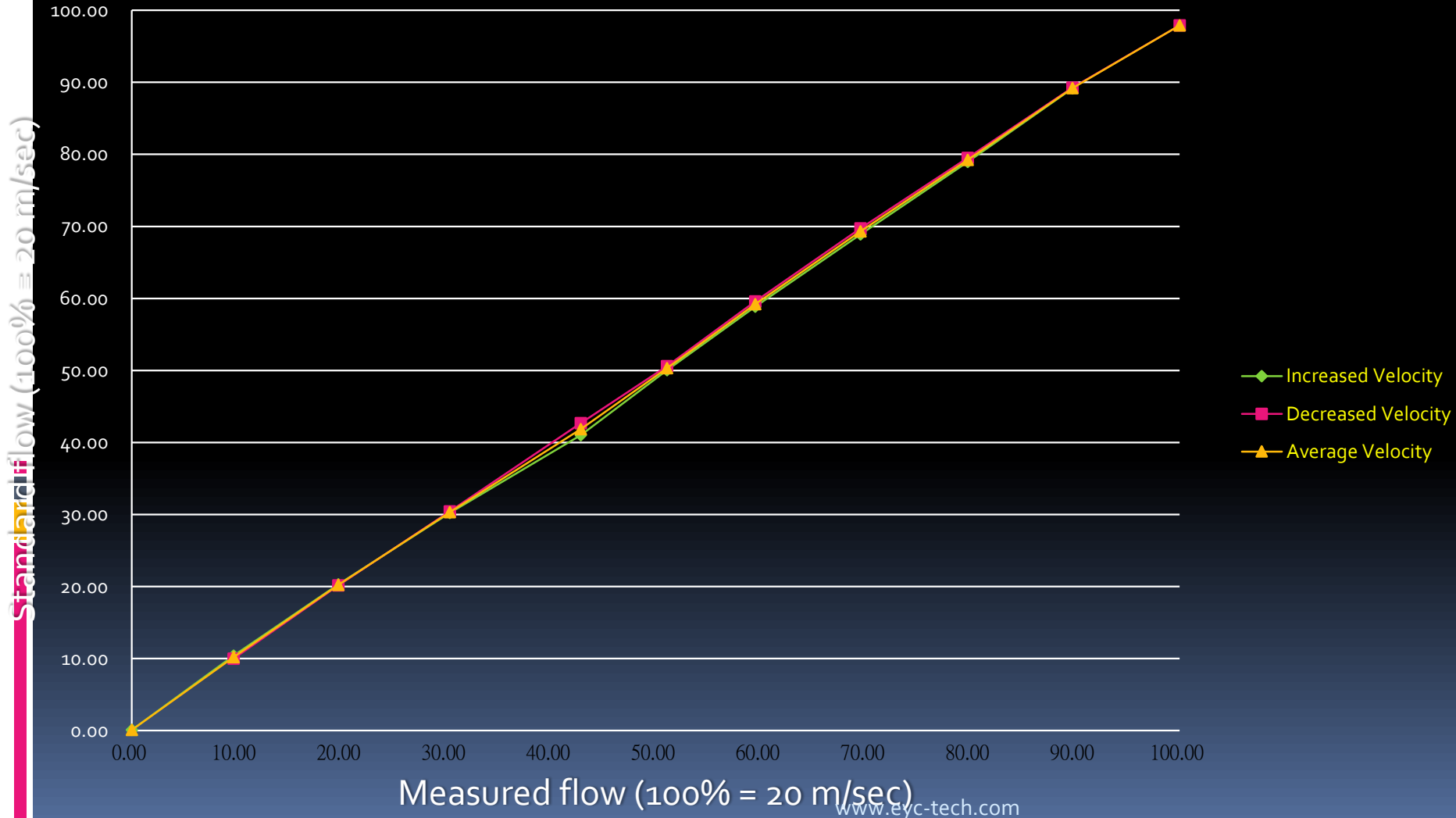
Statistics for Inaccuracy Ratio (20 m/sec)

Required Inaccuracy Ratio < +/- 3%



Measurement & Comparison (20 m/sec)

Standard & Measured flow



Application

- Monitor gas and flow for industrial process
- Compressed air consumption measurement
- HVAC, building, factory, Clean room, hospital
- Semiconductor, electronics, paper, iron and steel, food, Pharmaceutical, biotechnology industry

