

# 034B WIND SENSOR

- **COMPACT DESIGN FOR MINIMUM VISUAL IMPACT**
- **LONG FIELD LIFE**
- **DURABLE ALUMINUM AND STAINLESS STEEL CONSTRUCTION**
- **LOW STARTING THRESHOLD**
- **VERY LOW POWER OPERATION**
- **EASY MAINTENANCE AND RE-ALIGNMENT**
- **SEALED MAGNETIC REED SWITCH FOR WIND SPEED MEASUREMENT**
- **ALUMINUM DIRECTION VANE COUPLED TO A PRECISION POTENTIOMETER**
- **DIGITAL OR ANALOG MEASUREMENT ABILITY**



*General Use Wind Sensor  
Model 034B*

The 034B Wind Sensor combines wind speed and direction measurements in a single sensing unit. It installs in minutes and provides accurate, long-term, continuous monitoring in hostile environments. The sensor uses a quick-connect sensor cable which may extend hundreds of feet without affecting measurement performance.

THE STANDARD  
OF MEASUREMENT

**BELFORT** INSTRUMENT  
[www.belfortinstrument.com](http://www.belfortinstrument.com)

# WIND SENSOR

Model 034B

## SPECIFICATIONS

### WIND SPEED

Range: 0 - 167 mph (0 - 75 m/s)

Starting Threshold: 0.9 mph (0.4 m/s)

Accuracy < 22.7 mph: .25 mph (0.1 m/s)

Accuracy > 22.7 mph:  $\pm 1.1\%$  of true

### WIND DIRECTION

Range: Mechanical: 0° - 360°

Electrical: 0 - 356°

Starting Threshold: 0.9 mph (0.4 m/s)

Accuracy:  $\pm 4^\circ$

Damping Ratio: .25 standard (.4 to .6 optional)

Resolution: < 0.5°

### TEMPERATURE RANGE

-30°C to +70°C Minimal icing conditions  
(-22°F to +158°F)

### OUTPUT SIGNAL

Wind Speed: Pulsed contact closure

Wind Direction: Potentiometer output  
(0 - 10 K ohms)

### PHYSICAL CHARACTERISTICS

Sensor Weight: 1 lb 12.5 oz (0.81 kg)

Finish: Clear anodized aluminum

### CABLE & MOUNTING

PN 3013 Cable Assembly; specify length in feet or meters

Mounting: PN 2954 Mounting & Alignment Adapter

Mounting with the alignment adapter (PN 2954) maintains alignment even if the sensor is removed for maintenance. The alignment adapter mounts the 034B to 1" diameter tubing or pipe. PN 7156 is a horizontal sensor mounting arm. Contact factory for special mounting applications.

*Specifications are subject to change at any time.*



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