

# TURBINE CONTROL SENSORS

## HYBRID XT + HYBRID MC

RELIABLE. DURABLE. DEPENDABLE.

### Hybrid XT Reliability

- Two-stage contamination protection extends sensor life
  - Fully sealed sensor body minimizes dust, dirt, and water ingress
  - Sealed cartridge bearing system prevents contamination from affecting the bearings
- Shock-resistant bearing mounting prevents damage caused by rough handling
- Rugged metal head prevents breakage due to accidental drops or icing
- Recommended maintenance interval of 10 years eliminates unwanted trips to your turbines

### Hybrid XT Icing Performance

- Metal sensor body conducts heat to the whole sensor, preventing ice buildup and increasing turbine availability in icing climates
- 96W heating element provides ample de-icing



**NRG**Systems®





## HYBRID MC

The Hybrid MC turbine control sensor provides the same exceptional reliability as our Hybrid XT at a more economical price for areas that don't experience icing. The head of the Hybrid MC is made of Lexan, which is exceptionally tough yet lightweight. This allows for improved aerodynamic performance while retaining the dependability and long service interval of the Hybrid XT.



## WE KNOW YOU ARE LOOKING FOR SOLUTIONS

We have created complete retrofit kits that allow you to easily transition from your previous sensor to the Hybrid XT sensor. Each retrofit kit includes a sensor, the cable needed for your application, a mechanical adapter to mount the sensor on your turbine, and detailed instructions so that your technicians can quickly and easily complete the retrofit. We currently have retrofit kits available for GE, Gamesa, Siemens, Mitsubishi and Vestas.

Specification	Hybrid XT		Hybrid MC	
	Anemometer	Vane	Anemometer	Vane
Usage	Icing Climates		Moderate Climates	
Output	Frequency, Push-Pull, 4-20mA			
Accuracy	+/- (0.3 m/s + 2% of measured value)	+/- 1.8° (0.5%)	+/- (0.3 m/s + 2% of measured value)	+/- 1.8° (0.5%)
Threshold	< 1.6 m/s	< 2.4 m/s	<1.3 m/s	<1.2 m/s
Power Required	96W (self-regulating)		10W (self-regulating)	
Operating Range	-40 °C to 60 °C, 0 to 100% RH			

SPECS

### For more information:

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 ISO 9001: 2015 Certified  
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