

Model A72-SL

Average / Maximum Gust Wind Speed Transmitter

Document 1870D



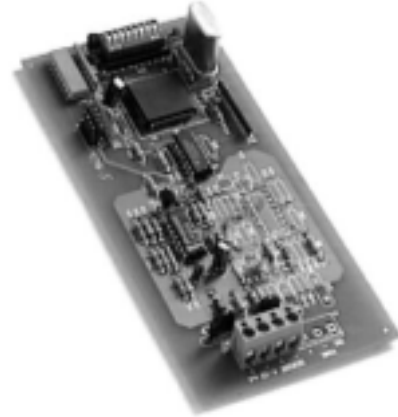
A75-104 Three Cup Anemometer

The A72-S Average / Peak Wind Speed Transmitter produces a 4-20 mA output signal proportional to average or peak wind speed. The average or peak function is switch selectable. The averaging time constant is user adjustable able between 30 seconds and 60 minutes. The averaging is implemented digitally. The Transmitter converts the frequency of the anemometer signal into an electrical signal for input to a computer, meter or other instrumentation. The A75-104 is the most popular anemometer by reason of its ruggedness and low cost. The A75-104 produces an AC signal whose amplitude and frequency are proportional to wind speed. It has a distance constant of ten feet. The anemometer is injection molded using UV stabilized black Lexan to produce a very rugged and reliable sensor. Hundreds of thousands are in use through out the world. Extensive wind tunnel and field testing has shown this unit to maintain its accuracy remarkably well in field use. See A75-104 data sheet for detailed anemometer specifications.

ISO 9001 Registered

Comptus Inc®

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Track Mounted Transmitter

Higher performance sensors are available at additional cost. These units are used in conjunction with electronic data collection systems or for input to control systems. They are readily combined with meter relays to provide custom controls.

The instruments are available in a variety of packages including steel JIC boxes meeting NEMA 12 standards, weatherproof fiberglass enclosures meeting NEMA 4X, IP66 and IEC 529 standards and track mounted versions. NEMA 12 enclosures provide protection from dust for indoor applications. NEMA 4X enclosures may be used indoors or outdoors. They provide protection from corrosion, wind blown dust and rain and are undamaged by ice. Track mounted versions are intended for mounting inside an enclosure provided by the user. Where required, electrical connection to the sensor is via terminal block. A barrier strip is provided for connection to operating power.

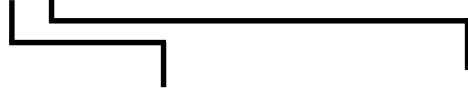
Each system is provided with a detailed instruction manual.

342 Lyndeboro Rd., New Boston, NH USA

Model A72-SL

Model Designation

A72-SL-X / Z



Range

E - 0 - 100 MPH

M - 0 - 50 M/S

K - 0 - 160 KPH

Enclosure

T Track

N12 NEMA 12

N4XFG NEMA 4X Fiberglass

N4XSS NEMA 4X SS

Specifications

Range: Speed : E - 0 - 100 MPH

M - 0 - 50 M/S

K - 0 - 160 KPH

Averaging Time Constant: 30 sec. - 60 min

Sample Period: 1 Second

Output: 4-20 mA

Operating power: 12 - 24 VDC

Sensor: A75-104 (standard)

Accuracy: Electronics $\pm 1/2\%$ of full scale

A75-104 Anem. 3 - 10 MPH ± 1 MPH,

10 - 200 MPH $\pm 5\%$ of Reading

Size: Track Mount 2.18" W X 5.0" L X 1" H

NEMA 12 6" W X 8" H X 4" D

NEMA 4X 6" W X 8" H X 4" D

Weight: Track Mount 1 lbs

NEMA 12 6 lbs

NEMA 4XFG 4 lbs

NEMA 4XSS 6 lbs

Operating Temperature: Electronics 0/60°C

A75-104 -40 / 60°C

Connectors: Barrier strips to accept AWG #12 or smaller wire

Options: High Performance Sensors

HAE Heated Anemometer

Accessories : A96 Lightning protectors

A76-SD Mount

A70-LPDD Digital Display

A10 Mechanical Chart Recorder

Data Chart - Electronic Chart Recorder



Model HAE Heated Anemometer



Model 05013 Propeller Anemometer

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