

Model A70-H/O

Relative Humidity Transmitter

Document 1811B

Description

The A70-H Series provides a relative humidity sensing output on a standard 4-20 mA current loop or 0 - 1 VDC . The A70-LPDD loop indicator can be used to display the actual sensed temperature and/or relative humidity with the 4-20 mA output.

Design Features.

Relative humidity is sensed by a thin-film polymer capacitor sensor characterized by excellent durability in harsh environments. The sensing element is protected by a hydrophobic membrane which greatly increases its durability.

The A70-H is packaged in a NEMA 4X weather proof enclosure. The A76-HTB Radiation Shield is naturally aspirated and should be used where the sensor will be exposed to direct sunlight.

The A76-HTB is designed to attach to the A76-X5 Cross Arm or one inch diameter electromechanical tubing (EMT). Higher performance sensors and mechanically aspirated radiation shields are available.

Specifications

Range : 3 to 95% R.H.

Accuracy : $\pm 2\%$ R.H.

Output : A70-HL - 4 /20 mA
A70-HV - 0 / 1 VDC

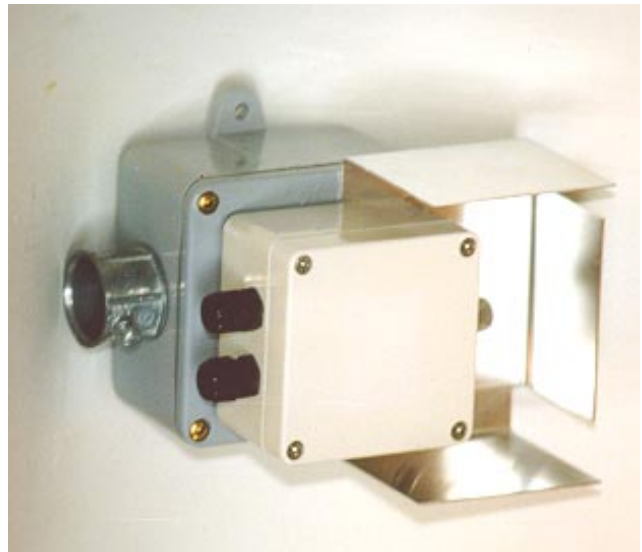
Operating Power : 6 to 30 VDC

Enclosure : ABS Plastic, NEMA 4X

Connections : Terminal block to accept AWG # 14 - 22 wire. liquid tight wire gland for 0.09 to 0.265 in. dia. cable

Dimensions : 2 in. L X 3 in. W X 1.5 in. D

Weight : 8 Oz.



**Model A70-H Transmitter
with
A76-HT Radiation Shield**



**Model A76-T10
Tripod Tower & A76-X5 Cross Arms**

ISO 9001 Registered

Comptus Inc[®] 342 Lyndeboro Rd., New Boston, NH USA
Phone: 603 487-5512 Fax: 603 487-5513 E-mail: sales@comptus.com

Model A70-H/O

ISO 9001 Registered

Comptus Inc[®] 342 Lyndeboro Rd., New Boston, NH USA
Phone: 603 487-5512 Fax: 603 487-5513 E-mail: sales@comptus.com