

## FEATURES

- Two Sensor Ranges
- Selectable Units: °C, °F, or PPM
- High Pressure Rating
- Active Pressure Correction
- Remote Sensor (up to 1,000 ft)
- Dual Adjustable Alarm Contacts
- Large 4-digit Backlit LCD Display
- Non-Volatile Data Memory
- Fast Response Time
- Fully Interchangeable Sensors
- O.E.M. Packaging
- Gas or Non-Conductive Liquid Samples

## SPECIFICATIONS

### MOISTURE PROBE

- TYPE: NYAD A.C.T., Series 50
- RANGE: Standard: -76°F to +68°F  
-60°C to +20°C  
Premium: -112°F to +68°F  
-80°C to +20°C  
(Dewpoint/Frostpoint)
- ACCURACY: ±2°C
- REPEATABILITY: ±0.5°C
- OPERATING TEMP: -202°F to +158°F
- PRESSURE RATING: 2,000 psig  
Available High Pressure Rating:  
7,000 psig
- CALIBRATION: NIST Traceable

## ELECTRONICS

- ALARM: SPDT, 1A @120 VAC
- OUTPUT: 0-5VDC or 4-20mA
- POWER: 120/220VAC/12-24V  
(50/60 Hz., 1W Max)
- DIGITAL OUTPUT: RS-232, RS-485
- DISPLAY: 4-Digit LCD, 0.5" High

# SERIES 101T

## ONE TOUCH MOISTURE ANALYZERS



### DEWPOINT ANALYZER WITH STATE-OF-THE-ART FEATURES AND FLEXIBILITY

## APPLICATIONS

*NYAD Dewpoint Analyzers  
The Technology You Can Trust!*

- NATURAL GAS
- COMPRESSED AIR
- MEDICAL AIR
- BREATHING AIR
- PHARMACEUTICAL
- PETROCHEMICAL
- AEROSPACE
- CLEAN ROOMS
- MILITARY
- WATER TREATMENTS
- GLOVE BOXES

NYAD, INC. is proud to re-introduce our advanced moisture monitoring system with all new digital electronics.

Nyad's A.C.T. (Advanced Capacitive Transducer) Premium moisture sensor uses state-of-the-art technology to produce a rugged, fast responding, trace moisture sensor that is also designed to lower your cost by permitting sensor replacement without having to discard old probe bodies. The A.C.T. technology continues to have a high specificity to moisture as well as dramatic improvements in its performance compared to older, competitive versions. The A.C.T. Sensor is mounted on a probe containing digitizing electronics and calibration data in electronic memory.

NYAD's new Standard range sensor also uses state of the art technology to lower end user costs by permitting quicker, less costly calibration and sensor replacement. Both Premium and Standard range sensors are still completely interchangeable within their ranges.

The Series 101T Analyzers feature up to two software adjustable alarm set points, outputs with adjustable zero and span, and user selectable dewpoint or concentration units.

# Features and Benefits

NYAD, Inc. Premium Moisture Analyzers are based on our proprietary capacitive sensor technology. Our advanced sensor is coupled to a state-of-the-art, microprocessor controlled electronics module to produce one of the most effective trace moisture analyzers available today. The performance of any analyzer derives from the capabilities of its sensor technology. The NYAD Moisture Sensor is a proprietary capacitive element that selectively adsorbs water vapor causing a change in its electrical characteristics. These moisture induced electrical parameters are then processed and converted to measurements of moisture content. The principle advantages of this sensor technology are:

- High specificity to moisture.
- Insensitivity to flow and pressure.
- Operable in gas or non-conductive liquid streams.
- Wide dynamic range (more than six orders of magnitude in concentration).

## Series 101T Analyzers

### **OEM – Model MA-121T**

*A compact unit for manufacturer OEM applications.*

*5.75"Wx6.75"Hx2.4"D*

### **19" RACK MOUNT – Model MA-131T**

*Designed for applications where one or more instruments may be mounted into an existing control panel.*

*19"Wx5.25"Hx11.5"D*

### **PANEL MOUNT – Model MA-141T**

*Ideally suitable for applications where panel size is critical in a cabinet.*

*10"Wx5.25"Hx11.5"D*

### **NEMA 4 – Model MA-151T**

*Enclosed in a Nema-4 Weather Proof, Wall Mountable Enclosure. Suitable for indoor or outdoor installations.*

*7.87"Wx4.72"Hx2.95"D or*

*9.5"Wx6.25"Hx3.5"D MA-151TL LEGACY REPLACEMENT*

### **PORTABLE – Model MA-161T**

*Convenient hand held portable instrument with a continuous 8 hour, 12V battery pack, fully designed for quick and precise spot checks where critical dewpoint measurements are needed.*

*8.5"Wx3"Hx9.25"D*

### **NEMA-7X – Model MA-171T**

*Designed for flammable gas applications and suitable for other hazardous environments.*

*8.37"Wx9.87"Hx6.53"D*

- Special configurations available to meet customer specific applications.
- Also available in our multi-channel analyzers.

#### SERVICES AVAILABLE

Technical Support  
Installation and Setup Support  
Maintenance Support  
Application Support  
Hardware Support  
Guaranteed Warranty

#### TECHNICAL SUPPORT, SALES AND CUSTOMER SERVICE

Contact: [sales@nyad.com](mailto:sales@nyad.com)

WEBSITE:

[www.nyad.com](http://www.nyad.com)

**nyad**inc.  
process gas analysis

1647 Willow Pass Road #509, Concord, CA 94520  
Phone: 925/270.3971 Fax: 888.488.4719 [www.nyad.com](http://www.nyad.com)