FINNA Handheld Moisture Analyzer

These meters provide instantaneous moisture results without the need for time-consuming gravimetric oven moisture analysis, thus enabling timely machine adjustments.

FINNA Lab Moisture Analyzer

Provides rapid, non-destructive moisture measurements on a variety of chunk, granular, and powdered materials.

FINNA Near Infrared Moisture Analyzer

NIR (near infrared) is best suited for a great majority of all applications. These would include foods, chemicals, pharmaceuticals, paper and any other powder, granular, web, or coating application. This is primarily because of its ease of installation and the fact that it does not need to contact the product to assure accurate moisture measurements. A sensor about the size of a large flashlight is mounted over a conveyor (belt, screw, vibratory, etc.) and simply shines a light about 1 in. (3 cm) in diameter onto the surface of the product. An analog or digital output signal that’s proportional to the actual moisture content is then available

to be used for closed loop moisture control if desired.

FINNA Radio Frequency Moisture Analyzer

With the SMART III RF moisture sensor, moisture results are continuous, instantaneous and non-destructive. It is widely used across a variety of applications including gypsum, powdered and granular materials, agriculture and wood products.

Hawk Centurion Guided Radar Level Transmitter

The HAWK range of Guided Radar products are ideal for the measurement of liquids, sludge, powders and granules to a range of 18.5m (60ft) for level and interface. This technology is not affected by pressure, temperature, viscosity, vacuum, foam, dust, changes in dielectric constant or coating of the probe.

Single Probe

Microwave pulses are transmitted along a cable or probe to the product being measured. At the point where the wave meets the product surface it is reflected by the product. The unit automatically calculates the distance to the pulse reflection using time of flight & time expansion. The intensity of the

reflection depends on the dielectric constant of the product. The instrument measures the time between emission and reception of the signal which is proportional to the distance.

Hawk MiniWave Ultrasonic Level Transmitter

The MiniWave emits an ultrasonic pulse, which is reflected from the surface of the liquid being measured. The reflected signal is processed using specially developed software to enhance the correct signal and reject false echoes.

Adaptive sensitivity control allows the unit to dynamically adjust and improve the received echoes for the best possible measurement outcome.

Hawk Sultan Acoustic Wave Level Transmitter

The transmission of high powered acoustic waves ensures minimal losses through the environment where the sensor is located. Due to the high powered emitted pulse, any losses have far less effect than would be experienced by traditional ultrasonic devices. More energy is transmitted hence more energy is returned. Advanced receiver circuitry is designed to identify and monitor low level return signals even when noise levels are high. The measured signal is temperature

compensated to provide maximum accuracy to the outputs and display.

Honeywell Analytics 705 Sensor

The model 705 gas sensor is a low cost, explosion proof assembly fitted with “Sieger” poison-resistant combustible gas detection elements. Fully encapsulated, it is designed for use in hazardous locations.

Additional Information:

As World leaders in gas detection solutions, Honeywell Analytics’ Sieger systems provide the most efficient, practical and cost-effective fixed-point equipment. Wherever protection is required from flammable or toxic gasses, you can rely on Honeywell’s equipment to provide practical solutions and to help keep your business running safely and profitably.

Honeywell Analytics XNX Universal Transmitter

The Honeywell XNX is designed for flexible integration, simple installation, user-friendly operation and straightforward maintenance. It is ideal for use with a range of gas monitoring controllers or industry standard PLCs. The introduction of Honeywell’s HART Enhanced Device Descriptor

Language (EDDL) software provides users with an at-a-glance indication of the health of their gas detectors in the field.

Honeywell SmartLine Level Transmitters

Honeywell’s SmartLine level transmitter sets a new standard for total performance and user experience. The SmartLine family of transmitters is the industry’s first modular and most reliable transmitters, delivering total value across the entire plant lifecycle.

Honeywell SmartLine STT750 Temperature Transmitter

The STT750 Temperature Transmitters are intended to be a competitive replacement for the STT250 HART field mount temperature transmitters. Suitable for a wide range of control and safety applications, the transmitters provide users with the benefits of the SmartLine platform, including modularity,

easier maintenance and lower total cost of ownership.

Part of the SmartLine® family of products, this high performance Temperature transmitter offers high accuracy and stability over a wide range of process and ambient temperatures. SmartLine easily meets the most demanding needs for temperature measurement applications.

Honeywell SmartLine STT850 Temperature Transmitter

The SmartLine STT850 temperature transmitter is designed to deliver very high performance across varying ambient temperatures. The total installed accuracy level of the transmitter, including the ambient temperature effect, allows the STT850 to replace virtually any transmitter available today.

The SmartLine family is also fully tested and compliant with Experion ® PKS providing the highest level of compatibility assurance and integration capabilities. SmartLine easily meets the most demanding needs for temperature measurement applications.

Metrix Asset Condition Monitoring

Vibration and motion sensors and transmitters for use on any piece of equipment with moving parts.

Pyromation RTD Assemblies

Resistance temperature detectors (RTD) accurately sense temperature with an excellent degree of repeatability and interchangeability of elements. The RTD is composed of certain metallic elements whose change in resistance is a function of temperature. In operation, a small excitation current is passed across the element, and the voltage, which is proportional to resistance, is then measured and converted to units of temperature calibration. The RTD element is manufactured by winding a wire (wire wound elements) or plating a film (thin film elements) on a ceramic or glass core and sealing the element within a ceramic or glass capsule.

Pyromation Thermocouples

Thermocouples are the most common, convenient, and versatile devices used to measure temperature. They convert units of heat into useable engineering units that serve as input signals for process controllers and recorders. Pyromation produces a wide range of thermocouples for most market applications, including MgO (Magnesium Oxide), industrial and general purpose types. We also make thermocouple assemblies for hazardous locations and other applications that require connection heads, protection tubes, thermowells and/or transmitters.

Pyromation Thermowells

A thermowell is a pressure-tight receptacle that protects and extends the life of a temperature sensor in processing applications where the sensor is not mechanically or chemically compatible with the process environment. Installed directly into the piping systems, thermowells facilitate sensor replacement in high pressure pipelines and eliminate the need to interrupt the process flow or drain the process system for sensor maintenance functions. The use of standardized thermowells permits simple relocation of sensors throughout a plant.