

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.

Fox Thermal Model FT1

Model FT1 has been designed to fit the most common applications for Thermal Mass Flowmeters. Equipped with the DDC-Sensor™, the Gas-SelectX™ gas menu, and the Zero CAL-CHECK™ Calibration Validation test, this meter is accurate, reliable, and available quickly. The Model FT1 measures process gas flow and temperature for a variety of commercial and industrial gas measurement applications.

Fox Thermal Model FT2A

The Model FT2A is the flagship Thermal Gas Mass Flowmeter from Fox. The Model FT2A is made to order and calibrated in a flowstand using actual gas and NIST traceable calibration equipment. Equipped with the PowerPro™ Sensor and offering a wealth of communication options, such as RS485 Modbus, BACnet MS/TP, Profibus-DP, DeviceNet, or Ethernet Modbus TCP, the Model FT2A is suitable for a wide variety of industrial gas measurement applications.

Fox Thermal Model FT3

The Model FT3 Thermal Gas Mass Flowmeter is made to order and calibrated in a flowstand using actual gas and NIST traceable calibration equipment. Equipped with the PowerPro™ Sensor, the CAL-V™ and Zero CAL-CHECK™ Calibration Validation tests, and HART or RS485 Modbus communication options, the Model FT3 is

suitable for a wide variety of gas measurement applications including flare, vent, and other Oil and Gas or industrial applications.

Free Spring

The Vibro-Acoustics FS series (FS & FST) of floor-mounted free-standing isolators provide vibration isolation for mechanical systems and equipment, and are effective at absorbing both low and high frequency vibrations.

Hauck Direct Drive Turbo Blower TBA Series

The Hauck Direct Drive Turbo Blower is available in six pressure ranges from 12-36 psig (5.2 – 15.5 kPa) and 63 different sizes ranging from 240 to 13,000 scfm (6.4 – 348 m³ / min) for providing large or small volumes of air at constant pressures. The Turbo Blower is designed to supply air for combustion or for any low pressure air application. Some features include: integral molded scroll design, turbine bladed impeller, steel inlet guard, precisely balanced impellers that eliminate vibration, more abrasion resistant than steel blower housing, and a complete line of available accessories for adapting to any piping condition or operational requirement.

Additional Information:

TBA blowers can be used on any application requiring low pressure air, such as: aerating, cooling, cleaning, conveying, fluidizing, exhausting, spraying, drying, ventilating and agitating. The larger units provide both the increased capacity needed for larger furnaces as well as the higher pressures necessary for recuperation and flame shaping. Maximum inlet temperature is 200° F (93° C).

Hauck EcoStar

The EcoStar series burner is capable of employing variable frequency drive technology for precise air flow control over its entire operating range. Item #25-50

Hauck Kromschröder

The MegaStar rotary dryer burner was designed with the customer in mind. It is easy to light, reliable and efficient. It supports a wide variety of liquid and gaseous fuels offering flexibility for optimizing fuel costs. The MegaStar is available in sizes ranging from a nominal 50 to 150 MM Btu/hr (14,650 to 43,960 kW) and the standard design can be applied to applications up to 1500°F (815°C). Custom lengths are also available for warm-mix applications.

Additional Information:

- Ideal for sand drying applications.

- Standard and long nose versions available.
 - Emissions of NO_x, CO and VOCs are minimized with proven and effective technologies.
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Hauck NovaStar

Utilizing the latest patented lean burn premix technologies, the NovaStar offers design and performance advantages with service accessibility and ease of installation. Available in various sizes the NovaStar is ready to meet your production needs. Item #NS-75 – NS-100

Hauck StarJet

The StarJet continues Hauck's long-standing reputation for providing efficient and durable burners for the asphalt industry. The burner is designed to recirculate the hot gases, providing flame stability over its wide operating range. Item #SJ075 – SJ980

Hauck TBAB Belt Drive Turbo Blower

The Hauck Fiberglass Turbo Blowers are the product of quality engineering and rugged construction. The precision turbine type impeller and molded involute scroll combine to produce the highest efficiencies available today. This, of course, means lowest operating costs. The heavy rugged construction used throughout the TBAB series assures you years of trouble-free service. The TBAB Turbo Blower now offers a wide range of pressure & cfm. Pressures 7 to 40 psig and cfm from 90 to

90,000 assures positive selection of the proper blower size for your specific requirements.

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.