

The Weatherproof 2000E System Enclosure

*For continuous measurement of material transported
on a conveyor belt, through a pipe, or in a chute*



Galaxy Scientific's new QuasIR™ 2000E is designed for continuous measurement of the chemical composition of material transported on a conveyor belt, through a pipe, or in a chute. Our unique external projection optics use high powered tungsten lamps to illuminate the sample from as far as 24 inches away and collect the scattered reflection off the sample through a fiber optic cable. The analysis spot size can be set as small as 0.5" and as large as 8" in diameter and can be custom tailored to an application's needs.

The QuasIR™ 2000E uses FT-NIR technology to deliver the most repeatable and accurate real-time results. Our rugged PermAlign™ interferometer optics deliver results in environments where other interferometers fail. Full compatibility with popular process control and chemometric software means the QuasIR 2000E can be integrated into almost any process environment.

Key applications include mining, food production, recycling, web processing, in-process quality control, and more. Gain real-time insight into mixing, drying, curing, baking, polymerization, and in-process concentrations. Monitor processes for critical quality parameters.

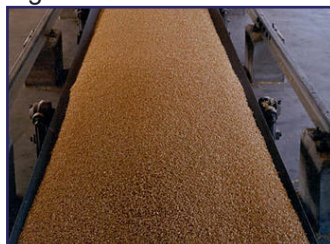


Key Applications:

Mining



Agriculture



Food



Tobacco



Weatherproof Enclosure

Dimensions: 20"x16"x8.31" (HxWxD)

Materials & Finishes:

Body & Cover: 16 GA. Type 304 Stainless Steel [1.5mm]

Internal Panel: 14 GA. C.R.S [2.0mm]

Wall Mounting Brackets: 14GA. Type 430 Stainless Steel [2.0mm]

Latches: 11GA. Type 304 Stainless Steel

Hinge Pins & Wall Mounting Hardware: Type 201 Stainless Steel

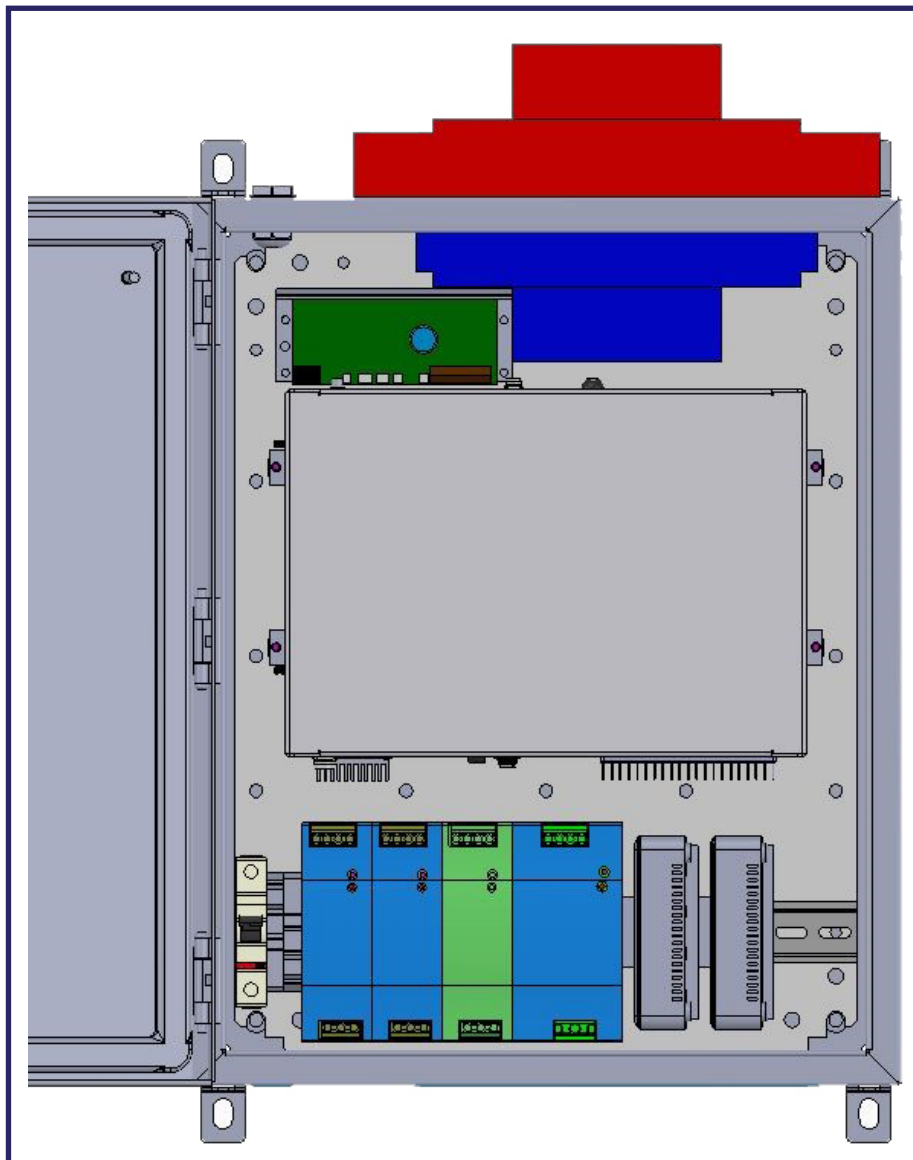
Poured Cover Gasket: Black Polyurethane Foam

Sealing Washers: Black/Light Gray Neoprene



Features:

- NEMA 1,2,4,4X, and 12 Weatherproof rating
- IP66 Rated
- Insulated
- Wall mounting brackets
- Quarter-turn keyed latch (2X)
- Vibration dampened mounting location for QuasIR 2000E Emission Fiber System
- Temperature controlled via a 100 Watt Laird Tech
- Outdoor Thermoelectric Cooler (O.T.E.C.) and Temp Controller; Operating temp range is -40°C to +55°C
- IP67 Rated conduit and fittings for wiring and fiber run protection
- Power indicator lamp
- On/Off switch to control illuminations lamps



Weatherproof Illumination & Collection Enclosure

Enclosure Manufacturer: Hoffman Enclosures

Dimensions: 18"x12"x6" (HxWxD)

Materials & Finishes

Body: 14GA. Type 304 Stainless Steel

Cover: 12GA. Type 304 Stainless Steel

Mounting Brackets: 12GA. Type 304 Stainless Steel

Mounting Hardware: Type 201 Stainless Steel

Cover Gasket: Oil Resistant Adhesive Backed Buna-N foam

Sealing Washers: Black/Light Gray Neoprene

Features:

- NEMA 1,2,4,4X, and 12 Weatherproof rating
- IP66 Rated
- Mounting brackets
- Oil-resistant gasket and adhesive
- Captivated stainless steel cover screws threaded into sealed walls
- 100 Watt Halogen Illumination lamp (2X)
 - 2 Axis beam location adjustment
 - Illumination focus/spot area adjustment
 - Adjustment lockdowns
 - Ceramic Bi-Pin lamp socket
 - Gold surface coated parabolic reflector
- Collection lens
 - Focus/sample area adjustment
 - Adjustment lockdowns
 - Stray light baffle
- SMA 905 Series Fiber connector
- Wiring terminal
- IP67 Rated cable glands
- 3/16" [4.76mm] Thick tempered glass window

