Analyzer Enclosure [All Options]

Applied Analytics Data Sheet No. DS-401X

The analyzer enclosure contains all of the system electronics.

In most Applied Analytics models, the components inside the analyzer enclosure include the HMI, the spectrophotometer, the I/O electronics, the power supply, and the necessary connections between these components.

Analyzer Enclosure Options

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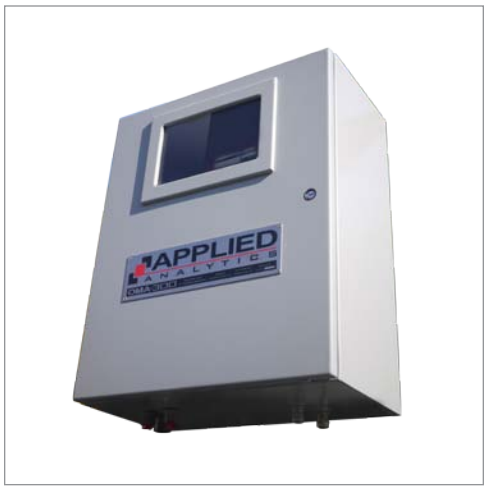
Painted Carbon Steel Enclosure [NEMA 4]



Technical Data	
General	
Standard Dimensions	24” H x 20” W x 8” D (610mm H x 508mm W x 203mm D)
Standard Compliances	NEMA 4 IP66
Mounting Specifications	Mounting holes are in the back of the enclosure body. The analyzer can be mounted directly on the wall or on external brackets.
Purge Specifications	Various purges and ratings are available on this enclosure. Please inquire with our sales department for a complete set of options.
Material Specifications	
Body	18 gauge carbon steel
Door	16 gauge carbon steel
Window	Clear polycarbonate
Finish	RAL 7035 textured light-gray polyester powder paint inside and out

Stainless Steel 304/316L Enclosure [NEMA 4X]

Technical Data	
General	
Standard Dimensions	24” H x 20” W x 8” D (610mm H x 508mm W x 203mm D)
Standard Compliances	NEMA 4X IP66
Mounting Specifications	Mounting holes are in the back of the enclosure body. The analyzer can be mounted directly on the wall or on external brackets.
Purge Specifications	Various purges and ratings are available on this enclosure. Please inquire with our sales department for a complete set of options.
Material Specifications	
Body	Type 304/316L stainless steel
Window	Clear polycarbonate
Finish	Smooth #4 brushed finish

Fiberglass Enclosure [NEMA 4]

Technical Data	
General	
Standard Dimensions	24” H x 20” W x 8” D (610mm H x 508mm W x 203mm D)
Standard Compliances	NEMA 4X IP66
Mounting Specifications	Mounting holes are in the back of the enclosure body. The analyzer can be mounted directly on the wall or on external brackets.
Purge Specifications	Various purges and ratings are available on this enclosure. Please inquire with our sales department for a complete set of options.
Material Specifications	
Body	Compression-Molded Fiberglass
Window	Clear polycarbonate
Finish	Painted light-gray acrylic enamel for enhanced UV protection

Explosion-Proof Cast Aluminum Enclosure [NEMA 4X]

Technical Data	
General	
Standard Dimensions	23-1/8” H x 23-1/8” W x 12-3/8” D 587 mm H x 587 mm W x 314 mm D
Standard Compliances	Class I, Div. 1 & 2 Groups B, C, & D Class II, Div. 1 & 2 Groups E, F, & G Class III NEMA 3, 4X, 7, & 9
Approvals	UL CLASSIFIED - Standard 1203 UL-14600 UL E139669
Type	NEMA 4X, wall-mounted
Material Specifications	
Body	Copper-free aluminum (<0.25% copper)
Window	Clear polycarbonate
Finish	Sandblasted natural finish
Cover Bolts	Cad-plated
Hinges	Heavy Duty Cast Aluminum

Portable Suitcase Enclosure

Technical Data	
General	
Standard Dimensions	16.87” H x 20.62” W x 8.12” D (428mm H x 524mm W x 206mm D)
Certificates + Approvals	NATO codified MIL C-4150J IP-67 STANAG 4280 ATA 300
Case Material	Ultra High Impact structural copolymer
Type	Suitcase enclosure made from Ultra High Impact structural copolymer. The case is unbreakable, watertight, airtight, dustproof, chemical-resistant, and corrosion-proof. It uses exclusively 1/4” (6.4 mm) neoprene o-ring and ABS latches with perfect seal.

Rackmount Enclosure

Technical Data	
General	
Standard Dimensions	6.54” H x 16.63” W x 10.13” D (166mm H x 422mm W x 257mm D)
Body Material	Steel
Type	Rack-mounted steel enclosure designed for standard 19’ rack.

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Headquarters + Manufacturing
Applied Analytics, Inc.
Burlington, MA | sales@a-a-inc.com

Asia Pacific Sales
Applied Analytics Asia Pte. Ltd.
Singapore | sales@appliedanalytics.com.sg

India Sales
Applied Analytics (India) Pte. Ltd.
Mumbai, India | sales@appliedanalytics.in

North America Sales
Applied Analytics North America, Ltd.
Houston, TX | sales@appliedanalytics.us

Middle East Sales
Applied Analytics Middle East (FZE)
Sharjah, UAE | sales@appliedanalytics.ae

Europe Sales
Applied Analytics Europe, SpA
Milan, Italy | sales@appliedanalytics.eu

Brazil Sales
Applied Analytics do Brasil
Rio de Janeiro, Brazil | sales@aadbl.com.br

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