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in one

sitrans

RD ENCLOSURES

SIEMENS

Safety Guidelines: Warning notices must be observed to ensure personal safety as well as that of others, and to protect the product and the connected equipment. These warning notices are accompanied by a clarification of the level of caution to be observed.

Qualified Personnel: This device/system may only be set up and operated in conjunction with this manual. Qualified personnel are only authorized to install and operate this equipment in accordance with established safety practices and standards.

Unit Repair and Excluded Liability:

- The user is responsible for all changes and repairs made to the device by the user or the user's agent.
- All new components are to be provided by Siemens Milltronics Process Instruments Inc.
- Restrict repair to faulty components only.
- Do not reuse faulty components.

Warning: This product can only function properly and safely if it is correctly transported, stored, installed, set up, operated, and maintained.

Note: Always use product in accordance with specifications.

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SITRANS RD200 Enclosures

The SITRANS RD200 meter is available with many NEMA 4 and 4X enclosures to help the meter withstand the harsh operating environment of an industrial plant.

Meters are mounted in the enclosure door so all programming and operational functions are available without opening the enclosure.

The smaller enclosures feature a hinged door. The larger enclosures will also house other RD type meters.

The Manual

This manual provides specifications for the various enclosures offered.

If you have any questions, comments, or suggestions about the manual content, please email us at techpubs.smpi@siemens.com.

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Low-Cost NEMA 4X Enclosure

A low-cost, compact, NEMA 4X enclosure that will house one SITRANS RD200 meter. The cover is held in place with four screws. One ½" conduit hole is provided. A 2" (5.08 cm) zinc pipe mounting kit is available for this enclosure.

Polycarbonate enclosure for one meter



Specifications

Dimensions

- Outside dimensions: 80 x 160 x 95 mm (3.1 x 6.3 x 3.7")
- Meter bezel dimensions: 119 x 62 x 15 mm (4.68 x 2.45 x 0.6"), depth behind panel: 91 mm (3.6") not including clearance for wiring
- Weight: 0.26 kg (0.58 lb)

Ingress protection rating

- NEMA 4X, IP66

Color

- Gray

Material

- Polycarbonate

Note: Enclosures and meters are ordered and packaged separately.

Plastic NEMA 4X Enclosures

Thermoplastic enclosure for one meter



Specifications

Dimensions

- See chart on page 4 for model dimensions

Ingress protection rating

- NEMA 4X

Color

- Gray

Material

- Thermoplastic

Approvals

- UL and CSA

Model	No. of meters	Outside dimensions (H x W x D)	Inside dimensions	Mounting dimensions	Weight
thermoplastic - 1 meter	1	196 x 163 x 130 mm (7.7 x 6.4 x 5.1")	124 x 124 x 114 mm (4.9 x 4.9 x 4.5")	171 x 102 mm (6.75 x 4.0")	0.7 kg (1.6 lb)
thermoplastic - 2 meters	2	246 x 163 x 130 mm (9.7 x 6.4 x 5.1")	170 x 124 x 114 mm (6.7 x 4.9 x 4.5")	222 x 102 mm (8.75 x 4.0")	1.0 kg (2.2 lb)
thermoplastic - 3 meters	3	297 x 213 x 130 mm (11.7 x 8.4 x 5.1")	221 x 175 x 114 mm (8.7 x 6.9 x 4.5")	273 x 152 mm (10.75 x 6.0")	1.4 kg (3.0 lb)
thermoplastic - 4 meters	4	348 x 315 x 181 mm (13.7 x 12.4 x 7.1")	272 x 277 x 165 mm (10.7 x 10.9 x 6.5")	324 x 254 mm (12.75 x 10.0")	2.3 kg (5.0 lb)
thermoplastic - 5 meters	5				
thermoplastic - 6 meters	6				

NEMA 4, NEMA 4X Steel and Stainless Steel Enclosures

**Steel enclosure
for six meters**



**Stainless steel enclosure
for one meter**



Specifications

Dimensions

- See chart on page 6 for model dimensions

Ingress protection rating

- Steel enclosures: UL 50 Type 4; NEMA 4; CSA Type 4; IP66
- Stainless steel enclosures: UL 50 Type 4, 4X, NEMA 4X; CSA Type 4X; IP66

Color

- Steel enclosures: gray
- Stainless steel: unpainted, smooth brushed finish

Material

- Steel enclosure for one meter: 16-gauge powder-coated steel
- Steel enclosure for two to six meters: 14-gauge powder-coated steel
- Stainless steel enclosure for one meter: 16-gauge, 304 stainless steel (1.4301)
- Stainless steel enclosure for two to six meters: 14-gauge, 304 stainless steel (1.4301)

Note: Enclosures and meters are ordered and packaged separately.

Model (stainless steel)	Model (steel)	No. of meters	Outside dimensions (H x W x D)	Mounting dimensions	Weight
stainless steel - 1 meter	steel enclosure - 1 meter	1	191 x 176 x 89 mm (7.5 x 6.9 x 4.0")	171 x 102 mm (6.75 x 4.0")	1.7 kg (3.8 lbs)
stainless steel - 2 meters	steel enclosure - 2 meters	2	241 x 176 x 89 mm (9.5 x 6.9 x 3.5")	222 x 102 mm (8.75 x 4.0")	2.3 kg (5.1 lbs)
stainless steel - 3 meters	steel enclosure - 3 meters	3	292 x 227 x 102 mm (11.5 x 8.9 x 4.0")	273 x 152 mm (10.75 x 6.0")	3.6 kg (7.9 lbs)
stainless steel - 4 meters	steel enclosure - 4 meters	4	343 x 329 x 152 mm (13.5 x 12.9 x 6.0")	324 x 254 mm (12.75 x 10.0")	6.3 kg (13.9 lbs)
stainless steel - 5 meters	steel enclosure - 5 meters	5			
stainless steel - 6 meter	steel enclosure - 6 meters	6			

Notes

Notes



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