

1/4" (6.35mm) BULKHEAD UNION

2. 3% SO2 IN N2
SPAN GAS
10 PSIG

3. PREPURIFIED N2
ZERO GAS
10 PSIG

3/8" (9.5mm) BULKHEAD UNION

4. INSTRUMENT AIR
80-100 PSIG
6-8 SCFM

5. ATMOS PRESSURE
VENT TO SAFE
LOCATION

6. ATMOS PRESSURE
DRAIN TO SAFE
LOCATION

FURON SEAL 2.75

1. SAMPLE INLET
CAL GAS/AIR
OUTLET

3/4" (19.1mm) NPT
FEMALE CONNECTION

A. POWER IN
115 VAC, 60 HZ
60 AMPS

NORMAL POWER
CONSUMPTION
30 AMPS

B. ANALOG OUT
4-20 MA
ISOLATED

C. STATUS/ALARM
CONTACTS

PRESSURE INDICATORS

PI-2
SAMPLE INLET
4-10" HG VACUUM

PI-3
SAMPLE PRESSURE
8-10 PSIG

PI-4
CELL PRESSURE
5 PSIG

BACK PRESSURE REGULATOR

BPR-1
SAMPLE PRESSURE
8-10 PSIG

BPR-2
CELL PRESSURE
5 PSIG

FLOWMETERS

FI-1
SAMPLE FLOW
1000 CC/MIN

FI-2
BYPASS FLOW
3-4 LITER/MIN

FI-3
CAL GAS FLOW
3-6 LITER/MIN

TEMPERATURE INDICATOR

TI-1
ENCLOSURE
TEMPERATURE

SWITCHES

SW1 MANUAL
PROBE BLOWBACK
PUSH/HOLD

SW2 CALIBRATE
AUTO-ZERO-SPAN

ALLOW 24" (609.6mm) FRONT &
BACK TO OPEN DOORS

TIMER
AUTO
PROBE BLOWBACK
TIMER

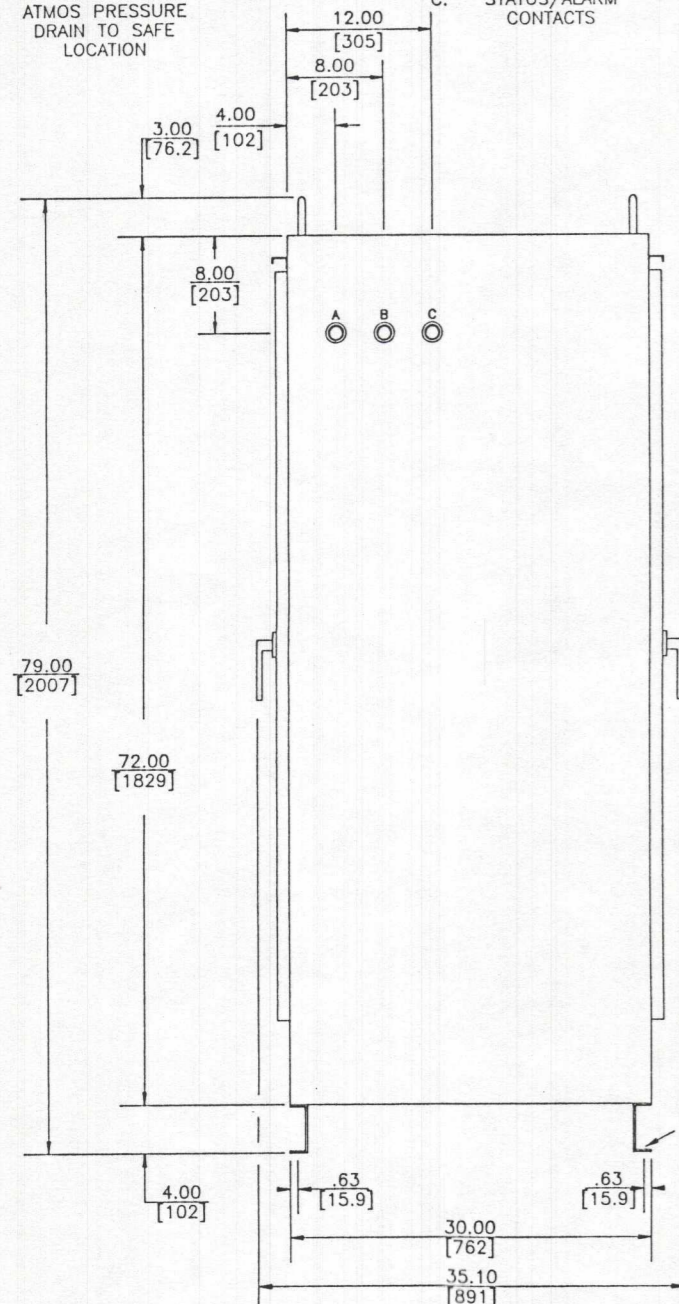
TEMPERATURE CONTROLLER

TIC-1
SAMPLE PROBE BOX
280-320°F

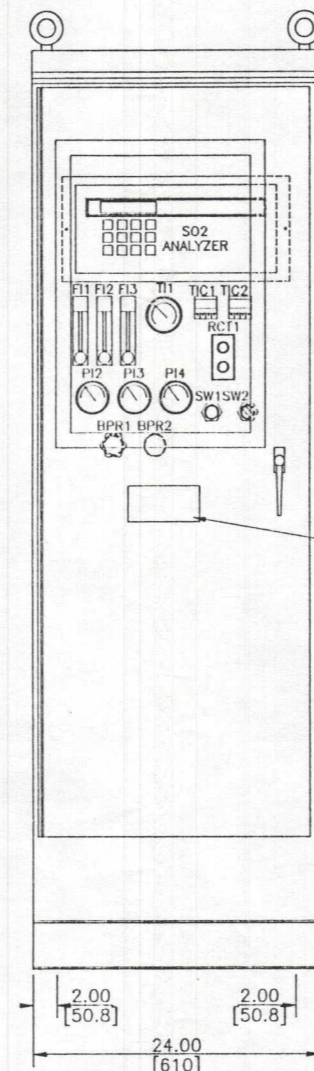
TIC-2
SAMPLE LINE
280-320°F

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF ROSEMOUNT ANALYTICAL
INC. AND IS TO REMAIN SUBJECT TO THE CONDITIONS THAT THE INFORMATION
CAN BE RELEASED IN CONFIDENCE, OR NOT BE REPRODUCED OR COPIED IN WHOLE
OR IN PART AND CAN NOT BE USED OR INCORPORATED IN ANY PRODUCT, EXCEPT
UNDER AN EXPRESS WRITTEN AGREEMENT WITH ROSEMOUNT ANALYTICAL INC.

CHG	E.O. NO.	DATE	BY	ENGR
A	INITIAL	3-12-97	GRL	JR
B	REV	5-7-97	GRL	JR
C	REV	5-30-97	GRL	JR
D	AS BUILT	6-18-97	GRL	JR

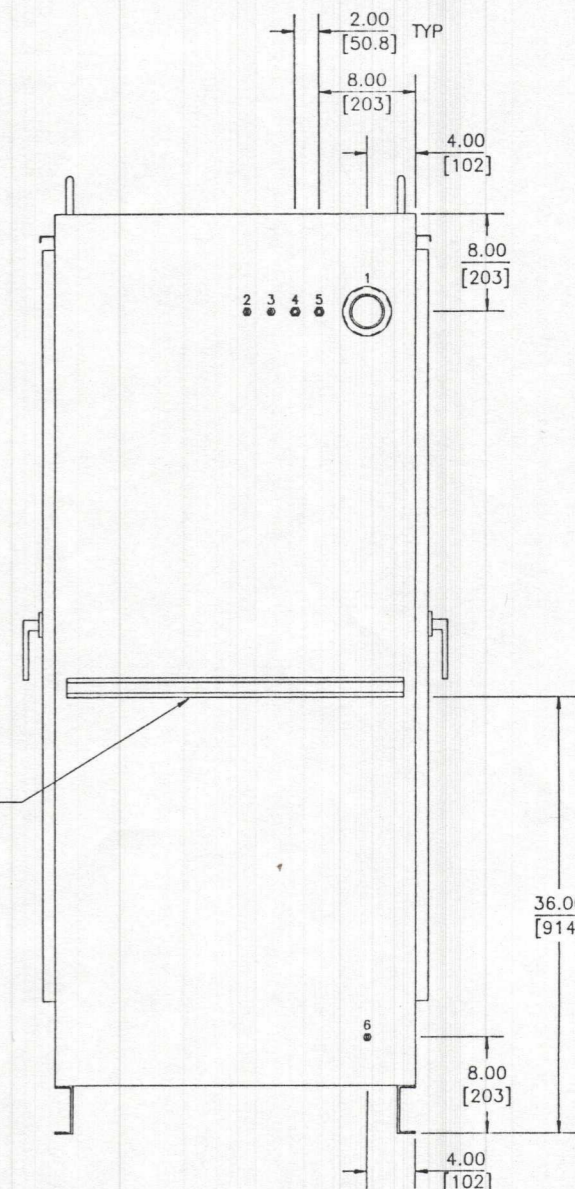


.63" (15.8mm) HOLE
FOR MOUNTING
(TYP 4 PLACES)



SULFUR DIOXIDE MONITORING SYSTEM
SERVICE: GOLD ROASTER STACK EMISSIONS
ROYAL OAK MINES
ROSEMOUNT CANADA P.O. 5010667
NEC NONHAZARDOUS
NEMA 3R ENCLOSURE
ROSEMOUNT ANALYTICAL SY10206
SERIAL NUMBER SY10206-0697

UNISTRUT RAIL AND
CLAMPS FOR MOUNTING
CUSTOMER SUPPLIED
SPAN AND ZERO
GAS CYLINDERS AND
REGULATORS



NOTES:

1. NEC AREA CLASSIFICATION:

- ☒ NON-HAZARDOUS
☐ CLASS I, DIVISION 2, GROUPS B, C & D
☐ CLASS I, DIVISION 1, GROUPS B, C & D

2. A GROUND STRAP IS TO BE CONNECTED BETWEEN MAIN FRAME
ASSEMBLY/ENCLOSURE AND ALL DOORS/REMOVABLE TOPS, BASES,
AND SIDE PANELS.

3. LOCATION: ☒ INDOORS ☒ OUTDOORS

4. ENCLOSURE: NEMA 12 (IEP___), ☒ INSULATED ☐ UNINSULATED

5. RECOMMENDED AMBIENT TEMPERATURE LOCATION: 10°C (50°F)

6. ESTIMATED ENCLOSURE INTERIOR TEMPERATURE: 27°C (80°F)

7. ENCLOSURE HEATED TO 27°C (80°F) ±5°C (±10°F)

8. ESTIMATED WEIGHT: 850 LBS. (386 Kg)

REFERENCE DWG'S
D-775267 FLOW DIAGRAM
D-775269 WIRING DIAGRAM
D-775270 O&MD PROBE BOX

MATERIAL
NEMA 12 ENCLOSURE
W/DRIIP SHIELD

FINISH

FED STD 595B, COLOR
NO. 26307 GRAY EPOXY
TEXTURED

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES/MILLIMETERS			
TOLERANCES			
INCH	MM	INCH	MM
.X	±.050	X	± 1.27
.XX	±.020	X	± 0.51
.XXX	±.005	.XXX	± 0.13

ANALYSIS: 30" MACH SURF: 125/100/32 UN
UN STD THREADS: CLASS 2A UN 2B
RELIEVE BURNS & SHARP EDGES .020/0.5
MACH FILLET RADIUS .020/0.5
MACH SURF FLAT WITHIN .001 W/M (.025 mm/mm)
OTHER SURF FLAT WITHIN .005 W/M (.127 mm/mm)
CONCENTRICITY MACH. SURF.
TIR WITHIN 1/2 SUN OF DIA TO .001/0.025 MM
DO NOT SCALE DRAWING.

QTY/ITEM		PART NO		DESCRIPTION	
BY		DATE			
DR G R LYEN		3-12-97		Rosemount Analytical Inc.	
ENGR <i>JR</i>		3-12-97		ROSEMOUNT ANALYTICAL LA HABRA, CALIFORNIA 90	
RMT-CANADA ROYAL OAK MINES P.O. 501067 ROSEMOUNT ANALYTICAL SY 10206		TITLE OUTLINE & MOUNTING DIMENSIONS SO2 MONITORING SYSTEM			
D		DWG NO.		775268	
SCALE 1/8"=1"		SHEET 1 OF 1			