cobas c8100
Installation Site Requirements

RPS-FS.1.C.1-FM-c8100 Version 05

CUSTOMER NAME:

_____

ADDRESS:

_____

CITY/STATE/ZIP:

_____

CONTACT:

_____

TELEPHONE: _____ DATE:

_____

IMPORTANT Roche Service Personnel instructions:

1. Download from GRIPS – Latest Pre-Site documents
   INCLUDE – Separate DI, Firewall pre-site form (if applicable).
2. Go over pre-site document with customer and complete on computer. Leave a copy with the customer.
   Include "Person Responsible" name for action items where NO is answered on any part of the form.
   Include the "Completion Due Date".
3. (desktop) File name "Save As":
   Cust name
   City
   ST
   Equipment type
   Date
   Example: Covance_Indianapolis_IN_C8000_9-2-09
4. UPLOAD electronic per-site to SharePoint site. Place under RSM's name.
5. Email Pre-site document to RSM.

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I. DELIVERY ACCOMMODATIONS

RECEIVING/ROUTING

The system can be unpacked at the time of receiving. This is the preferred way. This will require an area of about 10' x 20' to temporarily store the components. This area cannot be the location for the installation itself. A location near the install site is preferred. Ultimately, please check with the installation engineer involved.

Storage Conditions

Temperature Range: -10°C to 60°C (14°F to 140°F)
Relative Humidity: 10% to 95% (non-condensing)
Altitude / Pressure: 0m to 2000m / 106kPa to 80kPa (6561 feet)

Is there a loading dock or other suitable facility to allow the System to be safely unloaded?

☐ Yes ☐ No

If No, what special arrangements are required?

Is a pallet jack available? ☐ Yes ☐ No

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I. DELIVERY ACCOMMODATIONS, (CONTINUED)

Can the system be safely moved from the unloading point (Storage Area) to the proposed point of operation?

☐ Yes ☐ No

- Minimum door width: 42” uncrated **Note:** If the door width is not available, then the IPB + HS unit can be separated in order to deliver to the lab.
- Minimum turning radius required: 60” Uncrated
- Confirm elevator load capacity. Should an elevator be required to move the system to lab.

Do available clearances and elevator meet the above requirements? ☐ Yes ☐ No

If No, what special arrangements are required?

NOTE: If special arrangements are required concerning receiving or routing, please contact the instrument install team prior to the shipment of the system.

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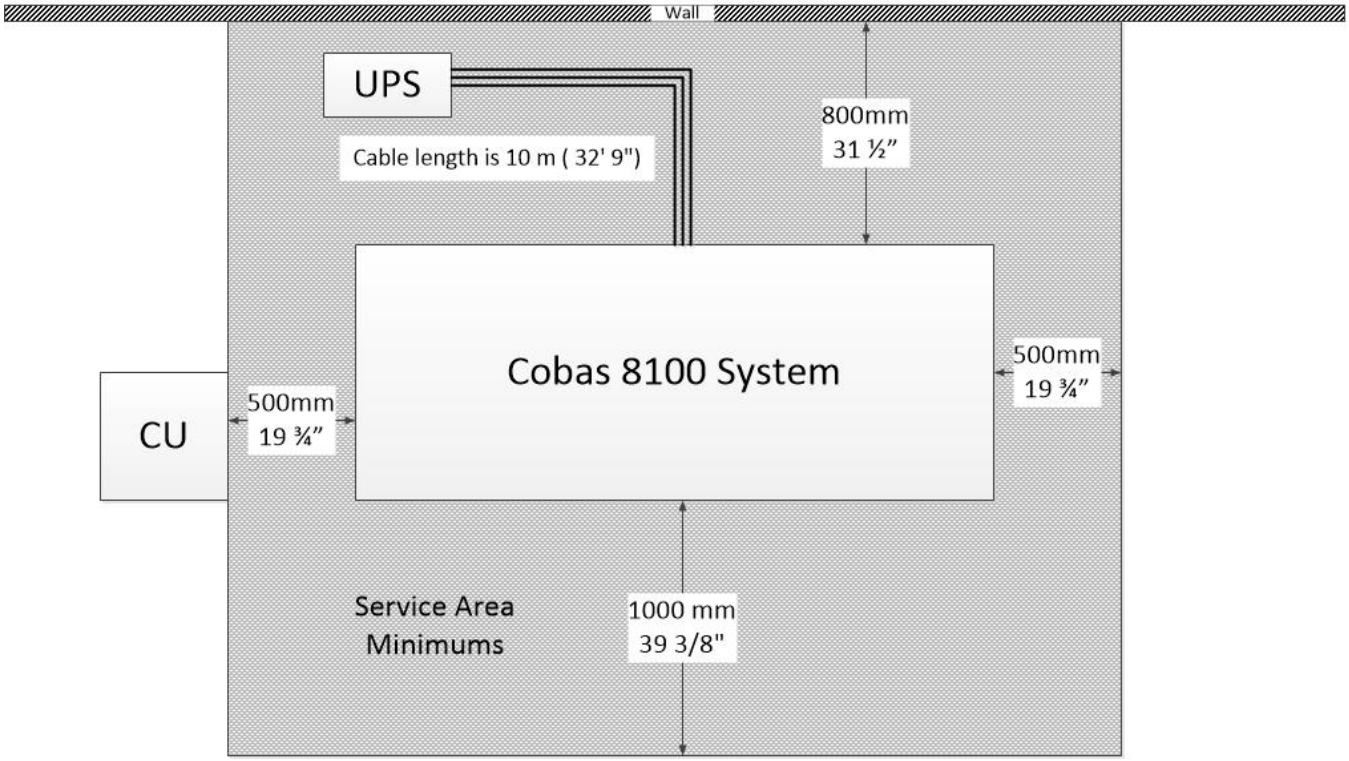
II. PHYSICAL SPACE REQUIREMENTS (see: Instrument Layouts Below)

c8100 System Layout



MAINTENANCE CLEARANCE

~~At least 500 mm (19 ¾") on the left and right side of the system, 1000mm (39 3/8") on the front side~~ and 800mm (31 ½") is required in the rear to ensure proper air circulation and maintenance accessibility.

The width of the cobas 8100 system will differ depending on system design.

FLOOR SPECIFICATIONS

The floor should have a grade (rise or fall) less than 1/200 within the footprint of the system

The floor must be capable of sustaining the load of the system. Roche will supply the weight of the system if requested.

Does available floor space and flatness meet the above requirements? ☐ Yes ☐ No
If No, what arrangements are required?

Dimensions, Weights, Heat Emission

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II. PHYSICAL SPACE REQUIREMENTS

Module Name	Kg	Lbs.	mm	Inches	K cal	Btu
IPB + HS	330	726	1050 x 1100 x 1500	41x 43 x 59	378	1501
SCM	150	330	300 x 1100 x 1500	12 x 43 x 59	378	1501
ACB + ACU	370	814	900 x 1100 x 1500	35 x 43 x 59	1498	5940
DSP	150	330	300 x 1100 x 1500	12 x 43 x 59	378	1501
BCL	250	550	600 x 1100 x 1500	23x 43 x 59	464	1842
AQM	250	550	600 x 1100 x 1500	23 x 43 x 59	586	2322
RSF/RSS	150	330	300 x 1100 x 1500	12 x 43 x 59	378	1501
AOB	320	704	900 x 1100 x 1500	35x 43 x 59	570	2259
OBS	230	506	600 x 1100 x 1500	23 x 43 x 59	292	1159
CRW	130	286	450 x 1100 x 990	18 x 43 x 39	275	1091
CRO	120	265	450 x 1100 x 990	18 x 43 x 39	313	1241
CLW	130	286	450 x 1100 x 990	18 x 43 x 39	275	1091
CLO	120	265	450 x 1100 x 990	18 x 43 x 39	313	1241
TLJ 300	80	176	252 x 800 x 990	10x 32 x 39	95	377
TLJ 600	110	242	252 x 1100 x 990	10 x 44 x 39	129	512
TLJ 900	120	264	252 x 1400 x 990	10 x 55 x 39	129	512
TLJ 1200	135	297	252 x 1700 x 990	10x 67 x 39	146	579
TLJ 1500	150	330	252 x 2000 x 990	10 x 79 x 39	181	718
TLJ 1800	165	363	252 x 2300 x 990	10 x 90 x 39	181	718
TLJ 2100	180	396	252 x 2600 x 990	10x 103 x 39	215	853
TLJ 2400	210	462	252 x 2900x 990	10 x 114x 39	258	1023
TLJ 2700	220	484	252 x 3200 x 990	10 x 126 x 39	258	1023
TLJ 3000	235	517	252x 3500 x 990	10x 138 x 39	310	1229
BRF	300	660	800 x 1100 x 1500	32 x 43 x 59	585	2320
URF	300	660	800 x 1100 x 1500	32 x 43 x 59	490	1943
RFX	300	660	800 x 1100 x 1500	32 x 43 x 59	525	2082
PXT	100	220	450 x 450 x 600	18 x18 x 24	108	429
CU	80	175	600 x 600 x 1200	24 x 24 x 48	27	107
SLL	100	220	600 x 600 x 1000	24 x 24 x 39	275	1091
SLR	210	462	1400 x 1400x 1000	55 x 55 x 39	457	1812
UCU	130	286	450 x 1100 x 1000	18 x 43 x 39	241	956

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III. ENVIRONMENTAL AND VENTILATION REQUIREMENTS

The cobas 8100 configurations require the following environmental conditions:

(1) A dust-free environment with adequate ventilation.
(2) No direct sunlight.
(3) The floor is level (angle: less than 1/200).
(4) The floor must be able to support loads of the supplied equipment.
(5) Room temperature: 15 to 32 °C.
(6) Any temperature changes should be no greater than ± 2°C when using this system.
(7) Room humidity: 30% to 85% (non-condensing).
(8) No perceptible vibration.
(9) No significant power supply fluctuations (208VAC ± 10).
(10) No machines discharging ultra-high frequencies (for example, electric discharger).
(11) Motors without noise canceller (starter, vibrator etc.) shall not use the same power line with the system.
(12) Maximum Altitude for installation is 2000m.

Noise Level: Operation <65dB (A)
Stand By < 55dB (A)

Waste: Solid waste in DSP and AQM

Interface: USB - Printer, standard
Ethernet

The above requirements will ensure proper computer operation and environmental comfort in your laboratory.

Will the air conditioning/heating equipment be able to maintain the above requirements during system operation?

☐ Yes ☐ No

If No, what arrangements are required?

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IV. ELECTRICAL REQUIREMENTS

POWER SUPPLY SPECIFICATIONS

The electrical specifications for the cobas 8100 System are as follows:

	3 Phase Power Requirement
Power Requirement:	1 - Dedicated 208 VAC 60 Hz (+ 0.5 Hz) circuits
Protection Current Rating:	1 -150 Amp primary service.
UPS Power	1 - 40 KVA UPS KVA load = 40 KVA The instrument does not monitor feedback signals from the UPS (e.g. for automatic shutdown) in the event of a power failure.
Line Fluctuations:	Not to exceed 10%
Sags & Surges:	Not to fall below 188 VAC @ 208 Not to exceed 229 VAC @ 208
Safety Ground:	Ground lead of less than 10 ohms. Not to be able to assume any potential above any fixture located in the immediate vicinity of the system > 0.1 VAC Max.
Maximum Impulse Magnitude:	Not to exceed 4.5 kV with rise time of 1.2 m sec and a pulse width of 50 µsec. (Cat. A, IEEE C62-41-1980).
Harmonic Waveform Distribution:	Not to exceed 5.0%
Wiring: cables supplied by manufacturer	10 m (32 ft) NEMA L6-30 Plug Qty. of 5
Customer Supplied	150 Amp Circuit

NOTE: **Power is the responsibility of the customer**

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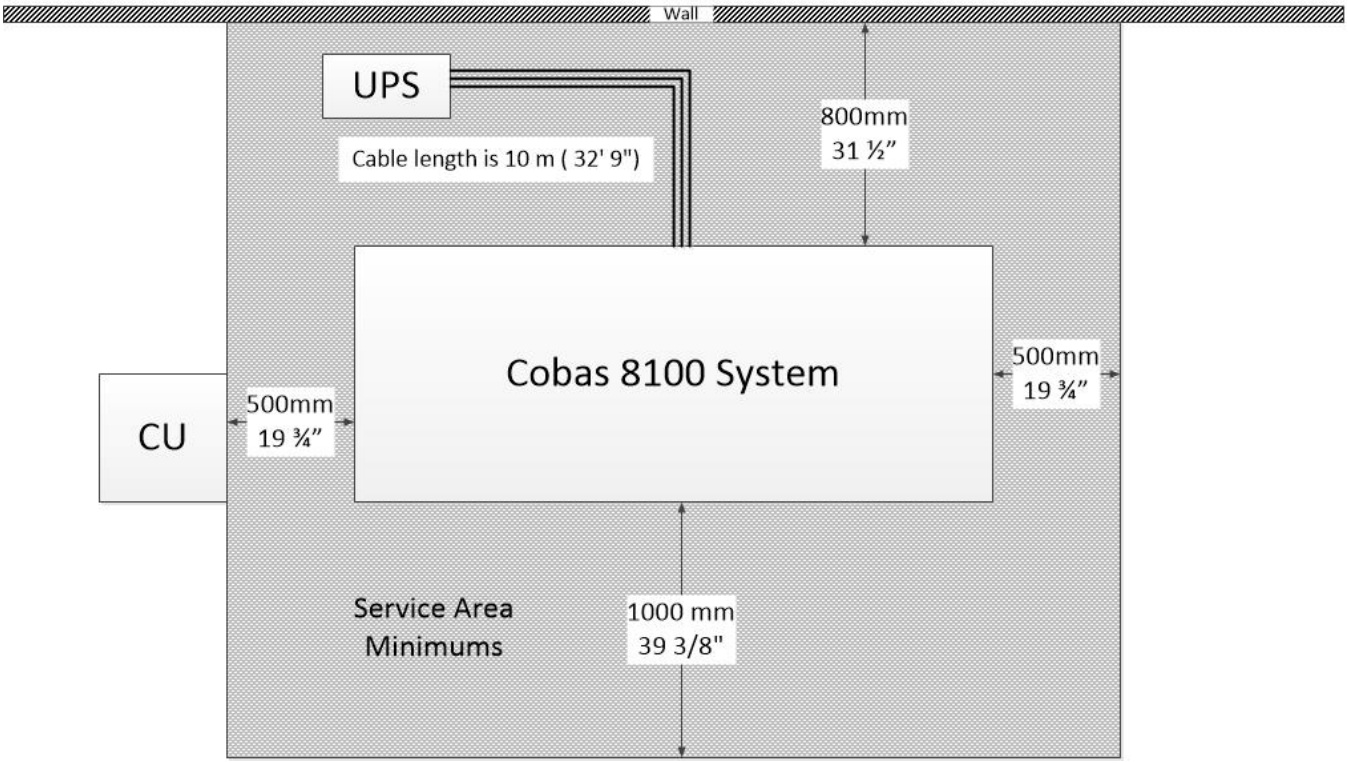
IV. ELECTRICAL REQUIREMENTS – Continued

POWER SUPPLY SPECIFICATIONS (CONTINUED)



Does the power in the laboratory meet the needed requirements? ☐ Yes ☐ No

Power connection will happen on day 2 of the install. Ensure the customer is prepared to connect the power at that time.

If No, what arrangements are required?

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V. Middleware DI Instrument Installation Requirements

Please refer to and complete the Middleware DI Installation Site Requirements document.

The c8100 requires a customer network connection in order to operate.

This network will be the CU connection

Are the requirements set forth in the “Middleware DI Installation Site Requirements” document met?

☐ Yes ☐ No

If No, what arrangements are required?

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VI. cobas® IT Firewall Installation Requirements

Please refer to and complete the cobas IT Firewall Installation Site Requirements document.

Are the requirements set forth in the cobas “IT Firewall Installation Site Requirements” document met?

☐ Yes ☐ No

If No, what arrangements are required?

Complete the site requirements prior to system installation. Report deviations from the site specifications to the Roche Technical Support Center (1-800-428-2336).

Adherence to the specifications listed herein greatly enhances proper operation of the cobas 8100 system. The Customer, by signature, acknowledges that any attempt to operate the System outside of these specifications without the prior approval of Roche Technical Support Center may void the System warranty.

FIELD SERVICE REPRESENTATIVE DATE

CUSTOMER DATE

REGIONAL SERVICE MANAGER (if required) DATE