Postscript and emendation of FOCAS-2000 instruction manual (2012-04 ver.1)

Postscript Emendation	Page No.	Contents				
Postscript	P2	1.General 1-2.Product Features When effecting every-5-years renewal of precision certificate, you can choice as follows, ·Replace calibrated sensor unit (sold separately) on board and use it. ·Precision test by maker or authorized person by maker.				
Emendation Postscript	P3	2.Specifications 2-1.Product Specification Measurement method (Before) Optional continuous measurement (Revised) Optical continuous measurement (Postscript) Bearable vibration · · · 2Hz to 13.2Hz,amplitude ± 1.0mm, 13.2Hz to 80Hz, acceleration ± 0.7G				
Emendation Postscript	P6	RECout(output of 4 to 20mA) right side. (Before)See Item 2 "Various settings" under Section 5-2 "Setting(details and procedure) (Revised)See Item 6-3-1 "Setting data and ranges" under Section 6 "Setting" During power outage and Warm up is in-possible to arbitrary setting.				
Emendation	P19	7. Operation and Maintenance Requirements (Revised) Desiccant (silica gel) Every month Replace desiccant when the indicator change in color as below two types, Became pink(normally from blue to light purple) Became red dot on white base(normally black dot on white base) 8. Maintenance and Checking 8-1-1Manual operation(Manual running) The 7 th line from the top (Wrong) Close the valve provided before the sample water inlet. (Correct) Close the valves at sample water line and at fresh water line.				



Postscript	P20	8.Maintenance and Checking Continuous (8-1-1, Manual operation) the 5 th s Manual running was a second of the second operation with the second operation of the 5 th s Manual running was a second operation of the second operation operati		
		Standow. 2000/00/00 xxxxxx Regarding details of warning please s	C. Glass is stained heavily Warning[112] Adhesion of dirt see P35 9.Troubleshooting	
Postscript	P23	8.Maintenance and Checking 8-1-5 Relay operation test During the test, check the alarm (inboard) activated is normal operation.		
Emendation Postscript	P24	8. Maintenance and Checking 8-1-7 Operation state monitor Display page Page 3 (Wrong) Sensor level and temperature values displayed in the standby state are those obtained in the running state. (Correct) each sensor level and temperature value are checked while FOCAS-2000 is measuring oil content in sample water or fresh water <reference> If reset or power-off occurred after density measurement, following figures are displayed. They are not abnormal. 1=0000, 2=0000, 3=0000 4=0000, Temp=00.0 (Emendation) Page6 Calibration: xxxx/xxx/xx Perform chk: xxxx/xx/xx Recuracy chk: xxxx/xx/xx Perform chk: xxxx/xx/xx Perform chk: xxxx/xx/xx Perform chk: xxxx/xx/xx</reference>		



Postscript	P29	8.Maintenance and Checking 8-3-2 Outlined and detailed displays of the operational log Regarding details of the log please see enclosed "Display of groups and description of statuses".					
Emendation Postscript	P32	8.Maintenance and Checking 8-6.Checkup and replacement timing of desiccant(silica gel) (Before) Inspect the color of desiccant (silica gel)in the indicator every month. When desiccant(silica gel)is pink, replace it by new one.(The normal is from blue to light purple) (Revised) Inspect the color of desiccant (silica gel)in the indicator every month. When desiccant(silica gel)is change in color, replace it by new one. There are two type depends on the delivered date.					
		1 Normal blue to light purple change in color Pink					
		2 Normal Black dot on white base Change in color Red dot on white base					
Postscript	P33	8. Maintenance and Checking 8-8 Replacing the operational log memory card If the memory card which was used in a certain FOCAS-2000 is inserted in another FOCAS-2000 unit, "Warning [11E] Memory ID different "is displayed. If "Enter button" is pressed in this condition, the unit becomes Standby condition. However density measurement cannot be performed. All you can do is to confirm log. Please note one memory card should be used for only one FOCAS-2000 unit. For details, please check the instruction manual (replacing the operation recording memory of FOCAS-2000) which is attached when you bought the memory card. Notice: The vessels which navigate to US territorial waters, it should be retained record for at least 3 years it may be needed.(accordance with 2.2.2.1of 2013VGP)					
Postscript	P35	9. Troubleshooting Warning [11E] Memory ID different If the memory card which was used in a certain FOCAS-2000 is inserted in another FOCAS-2000 unit, density measurement cannot be performed.					
All you can do is to confirm log (contents of memory card).							

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FOCAS-2000 Display of groups and description of statuses. FOCAS-2000 グループ表示とステータスの内容

Group	Code No,	Contents (at the time of	Code No,			
indication グループ表示	コード 来中	OCCURRENCE)	コード	cancel release)		
	番号 内容(発生時) 番号 内容(解除時)					
All Status	ALL record data is indicated.					
全記録表示	すべての記録データを表示					
	40	AC Power ON	41	AC Power OFF	電源の ON と OFF	
Power	42	External reset			外部リセット	
電源関連	43	Stand by			待機状態	
	44	Power down detect			供給電源低下検出	
	50	Warming up			ウォーミングアップ	
	53	Enter Manual Operation	54	Exit Manual Operation	手動運転の開始と終了	
Operation	55	Start Washing	56	Stop Washing	洗浄モードの開始と終了	
運転状況	59	Manual stop			運転動作停止	
	5A	Pressure S/W ON	5B	Pressure S/W OFF	圧力スイッチの ON / OFF	
	5E	Renew Parameter			設定範囲の変更	
	66	/ Alarm Setting			AL.1,2 警報点設定	
Oil Alarm	60	Alarm 1 ON	61	Alarm 1 OFF	AL.1 警報点設定超え	
油分警報	62	Alarm 2 ON	63	Alarm 2 OFF	AL .2 警報点設定超え	
	64	Oil over 30ppm	65	Oil under 30ppm	油分 30ppm 超え	
	0A	Maintenance mode.	2A	ret fm Maintenance mode	メンテナンスモード移行と退出	
	01	Over Range	21	ret fm Over Range	測定限界超えの検出と解除	
	02	Sensor Down	22	ret fm Sensor Down	センサ光源ダウン	
	03	Sensor Error	23	ret fm Sensor Error	センサ部の結露・水没	
	04	Temperature Error	24	ret fm Temperature Error	センサ部の温度エラー	
	07	No Water found	27	ret fm No Water found	検出管内が空	
	08	No Sample flow	28	ret fm No Sample flow	検出管内試料水なし	
	09	No Water flow	29	ret fm No Water flow	検出管内清水なし	
Difficult	11	Foreign material	31	ret fm Foreign Material	検出管内の異物混入	
Defect	12	Adhesion of dirt			検出管内の汚れ	
機器異常	13	PCB Open			基板開放エラー	
(運転時	15	RTC adjusted			時計調整·再調整	
エラー等)	17	Sensor was no response			センサーユニット応答なし	
	14	memory Card ejected	1A	memory card inserted	メモリカード脱着	
	18	Memory Comm. Error			メモリカード通信エラー	
	19	Memory card full			メモリカード空き容量なし	
	1B	no format memory			未初期化メモリカードの検出	
	1C	format memory card			メモリカード初期化処置	
	1D	no memory card			メモリカード未挿入起動	
	1E	Memory ID different			違う機器番号のメモリカード挿入	
	1F	FOCAS-1800 card found			FOCAS1800 のメモリカード挿入	
	···		<u> </u>		1177	

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Group	Code No,	Contents (at the time	Code No,	Contents (at the time of	
indication グループ表示	コ ー ド 番号	of occurrence) 内容(発生時)	コ ー ド 番号	cancel release) 内容(解除時)	
77V 7-2C/JV	70	Difference over 5ppm			Zero 点補正 5ppm 超え
	71	Zero adjust fail			Zero 点補正未完
System	74	Check sensor power cable			センサユニット電源ラインケーブル 異常
	76	Check sensor sig. cable			センサユニット信号ラインケーブル 異常
構成	78	Sensor was Changed			センサユニット交換
操作不備	79	Ext. osc. Doesn't work			センサユニット外部発振器の停止
]木[ドイ]、 開	7A	Sensor has no calibrated			センサユニット未校正品の接続
	7B	Sensor has no serial			センサユニットシリアル無し
	7C	RTC lost voltage			時計未設定(電池なし)
	7D	RTC no ack.			時計機能通信エラー
	7E	Software update			ソフト書換え更新
	7F	System Error			システムメモリの読込不能
Calibration	84	Zero adjust	85	Zero adjust done	Zero 点補正の実行と終了
	88	Performance check	89	Performance check done	動作確認の実行と終了
補正、確認	8A	Accuracy check	8B	Accuracy check done	精度確認の実行と終了
社内校正記録	8C	Exam mineral water zero	8D	Exam mineral water done	Zero 確認の実行と終了 (電磁弁閉)
	8E	Exam clean water zero	8F	Exam clean water done	Zero 確認の実行と終了 (電磁弁開)
	95	Recover (of zero offset)			Zero 補正値前に戻す
TEST 試験動作	A0	Operate Alarm Relay			AL.1,2リレー動作
	A4	Output Manual Current			電流出力確認
	A 5	Start simulation	A6	Stop simulation	警報動作試験の実行と終了

Clarification of abbreviation

略称説明

2A ~ 29,31 ret fm=return from

15,7C,7D RTC.= Real Time Clock, ack .=acknowledge

8C ~ 8F Exam=Examination $66 = 5 \sim 15$ ppm

76 sig.=signal

79 Ext. osc. Doesn't =External oscillator does not