Range					
HAI					

No	Name	Unit	Description	Min	Max
22.04					
20.07					
21.03					
23.05					
51	P2_MASW_Lamp	Boolean	Lamp of Manual SW	0	1
52	P2_ManualGO	Boolean	Manual start button	0	1
53	P2_ManualSD				

0

3,200

RPM

Manual speed demand

54

P2_OnOff

0

1

Boolean

On/off switch of the turbine DCS

(On)

55

P2_RTR

0

2,880

RPM

RPM trip rate

56

P2_SCO

0

100,000

-

Control output value of the speed controller

57

P2_SCST

-100

100

RPM

Speed change proportional to frequency change of the

STM

58

P2_SIT01

0

3,200

RPM

Current turbine RPM measured by speed probe

59

P2_TripEx

0

1 Boolean

Trip emergency exit button

60

P2_VIBTR01

-10

10

Shaft-vibration-related Y-axis displacement near the

um

1st mass wheel

(VYT02)

61

P2_VIBTR02

-10

10

Shaft-vibration-related X-axis displacement near the

um

1st mass wheel

(VXT02)

62

P2_VIBTR03

-10

10

Shaft-vibration-related Y-axis displacement near the

um

2nd mass wheel

(VYT03)

63

P2_VIBTR04

-10

10

Shaft-vibration-related X-axis displacement near the

um

2nd mass wheel

(VXT03)

64

P2_VT01

11

12

rad/s

Phase lag signal of the key phasor probe

65

P2_VTR01

-10

10

um

Preset vibration limit for the sensor P2_VIBTR01

66

P2_VTR02

-10

10

um

Preset vibration limit for the sensor P2_VIBTR02

67

P2_VTR03

-10

10

um

Preset vibration limit for the sensor P2_VIBTR03

68

P2_VTR04

-10

10

um

Preset vibration limit for the sensor P2_VIBTR03

69

P3_FIT01

0

27,648

-

Flow rate of water flowing into the upper water tank

70

P3_LCP01D

0

27,648

-

Speed command for the pump LCP01

71

P3_LCV01D

0

27,648

-

Position command for the valve LCV01

72

P3_LH01

0

70

%

High water level set-point

73

P3_LIT01

0

90

%

Water level of the upper water tank

(LT01)

74

P3_LL01

0

70

%

Low water level set-point

75

P3_PIT01

0

27,648

-

Pressure of water flowing into the upper water tank

76

P4_HT_FD

-0,02

0.02

mHz

Frequency deviation of HTM

77

P4_HT_LD

0

100

MW

Electrical load demand of HTM

78

P4_HT_PO

0

100

MW

Output power of HTM

14