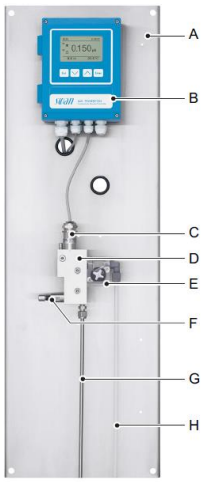
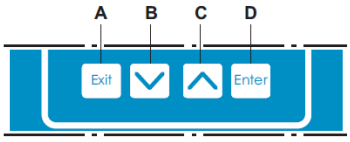
Swan AMI Powercon
Quick Reference Guide

Overview



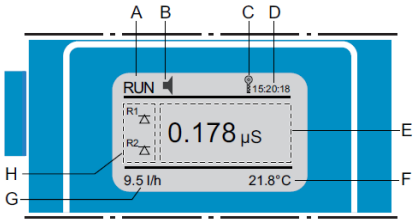
A – Panel
B – Transmitter
C – Slot-lock conductivity sensor
D – Flow cell
E – Flow sensor
F – Flow regulating valve
G – Sample inlet
H – Sample outlet

Keys



A – to exit a menu or command (rejecting any changes) to move back to the previous menu level
B – to move DOWN in a menu list and to decrease digits
C – to move UP in a menu list and to increase digits
D – to open a selected sub-menu to accept an entry

Display



A – RUN normal operation
HOLD input closed or cal delay: Instrument on hold (shows status of signal outputs).
OFF input closed: control/limit is interrupted (shows status of signal outputs).
B – ERROR Error Fatal Error
C – Keys locked, transmitter control via Profibus
D – Time
E – Process values
F – Sample temperature
G – Sample flow - 5 – 20 l/h
H – Relay status

Relay status, symbols

upper/lower limit not yet reached
upper/lower limit reached
control upw./downw. no action
control upw./downw. active, dark bar indicates control intensity
motor valve closed
motor valve: open, dark bar indicates approx. position
timer
timer: timing active (hand rotating)

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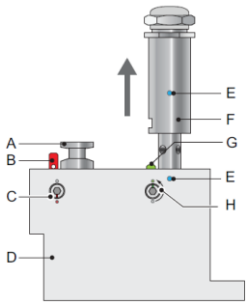
Maintenance



A – Blind plug
B – Locking pin locked
C – Locking screw closed
D – Flow cell
E – Alignment marks
F – Conductivity sensor
G – Locking pin unlocked
H – Locking screw open

*****DO NOT TURN THE SENSOR WITH A SPANNER OR CRESCENT*****

To remove the sensor from the flow cell proceed as follows:

1. Press the locking pin [G] down.
2. Turn the locking screw [H] with a 5 mm allen key counterclockwise180°.
   - The locking pin remains down.
3. Remove the sensor.

If the sensor is slightly contaminated, clean it with soapy water and a pipe cleaner. If the sensor is strongly contaminated, dip the tip of the sensor into 5% hydrochloric acid for a short time.

To install the sensor into the flow cell proceed as follows:

1. Make sure that the locking mechanism is in unlocked position(locking pin in position [G] and security screw in position [H]).
2. Put the sensor into the flow cell with the alignment marks [E] in line.
3. Turn the locking screw with a 5 mm allen key clockwise 180°.
   - The locking pin moves up in lock position.

Calibration

If a UP-Con1000 sensor is installed, it is not necessary to calibrate the instrument. A zero measurement is automatically performed every day at 00:30 AM.

Error Messages

To view active error messages, press ENTER to open menu system, select MESSAGES -> PENDING ERRORS. Consult the manual for a full list of error messages.

HINT: With any Swan system, press ENTER 3 times from the home screen to bring up the PENDING ERRORS list.

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