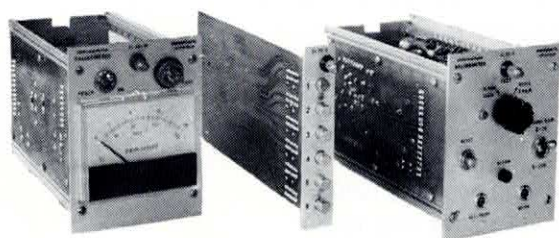
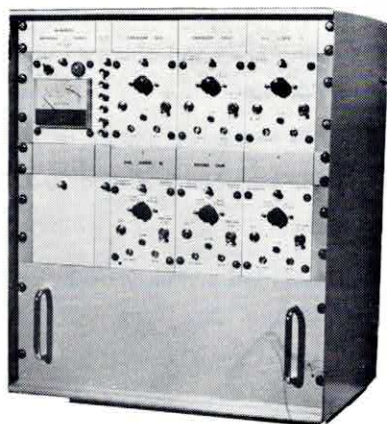


MULTIPOINT SALINOMETER series SL20/3-6



Plug-in modules

INTRODUCTION

The multipoint salinometer SL 20 series is designed to control various points at different places in a control room.

The instrument measures and supervises the salinity (salt content) of fresh water; feed water for boilers, etc.

The advantages of this multipoint instrument are:

1. Automatic alarm and automatic operation of control valves is continuous and easily performed.
2. The salt concentration is (directly) read from an indicator.
3. Easy maintenance: all modules are plug-in.
4. Very simple in operation, while test facilities are built-in.
5. Can be installed in all standard 19" cabinets.

CONSTRUCTION

The multipoint salinometer is housed in a 19" wide case. Dependent on the number of points and the mounting method there are four different heights.

- a. Wall mounted three points type SL20/3W.
- b. Panel mounted three points type SL20/3P.
- c. Wall mounted six points type SL20/6W.
- d. Panel mounted six points type SL20/6P.

The case for the three points salinometer, both wall and panel mounted, contains one frame in which a maximum of three salinometer modules can be plugged in. Furthermore this frame contains a combined meter/power module and a selector module. The case for the six points salinometer, both wall and panel mounted, contains two frames.

The first frame houses a maximum of three salinometer modules as well as one combined meter/power module and a selector module. The second frame houses a maximum of three salinometer modules and space for one spare salinometer module.

Attention:

The space available for the spare salinometer module is a true spare space. It cannot be used as a seventh point.

SBE-SL 20/3-6
1973

SPECIFICATION

- Mains supply : 110 and 220 V 50-60 Hz.
- Power consumption : Per unit 10 VA excluding horn and solenoid valves connected to the salinometer.
- Range of salinity : 0-20 and 0-200 p.p.m. of sea-salt (1 p.p.m. = 1 mg/L).
- Alarm level : Can be set to any value between 2-20 and 20-200 p.p.m.
- Temperature correction : Automatic in the range 20-100° C.
- Test : By means of a spring loaded switch with 3 positions the salinometer can be checked.
- Contact ratings : Solenoid valve relay S.P.D.T.
A.C. 500 VA
D.C. 50 VA
Max. allowable voltage 220 Vac/dc.
Alarm relay S.P.D.T.
A.C. 1000 VA
D.C. 100 VA
Max. allowable voltage 220 Vac/dc.
- Cable connections : Wall mounting see dwg 10300.
Panel mounting see dwg 10769.
This unit has been designed to operate horn and solenoid valve from a foreign power supply as well as from the power available in the unit.
For details see dwg 10300 and 10769.
- Controls per point : **Reset:** Push button by which the audible alarm can be silenced.
Alarm: Lamp that lights when the salinometer signals alarm.
Test: Spring-loaded switch by which the functioning of the salinometer can be checked.
Range: Two-position switch by which the required range is selected.
It should be noted that the alarm level is multiplied by 10, when the range switch is operated from position 20 to position 200.
Adjust: The slotted shafts of the potentiometer for adjustment of the meter and the alarm level are accessible from the front.
- Auxiliary controls : **Power on:** Switch for the mains supply voltage, lamp that lights when the mains switch is on and fuse for the salinometer.
Selector switch: Push buttons by which the common indicator can be connected to the selected point.