

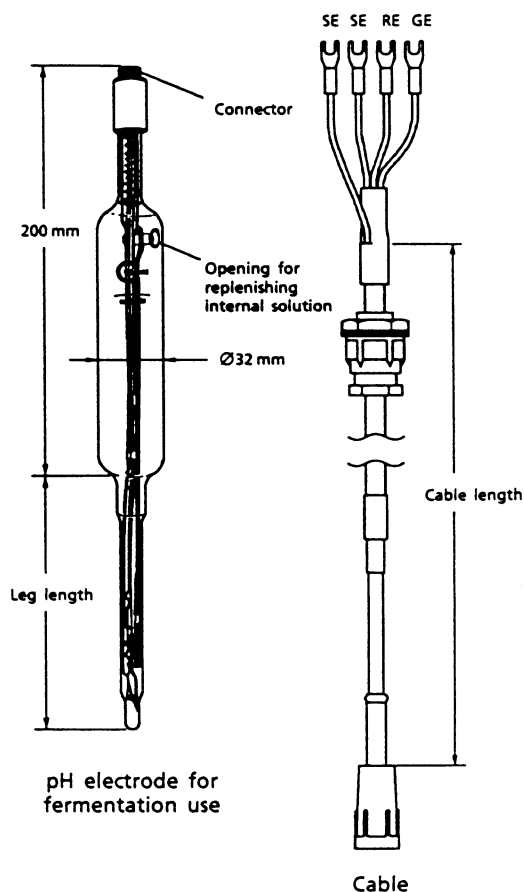
# Instruction Manual

EXA PH

## Model Y/465-50-SC-S7-□□ pH Electrode for Fermentation Use

### 1. Specifications

- Object of measurement: pH of culture medium in a fermentation tank
- Measurement range : pH0 to pH12
- Operating temperature : 0 to 105 °C (when measuring pH)  
130°C or less (in sterilization process)
- Operating pressure : 600 kPa G {6 kgf/cm<sup>2</sup> G} or less
- Temperature sensor : None
- Electrode insertion length within a fermentation tank (leg-length - 50 mm) :
- 70 mm (leg length: 120 mm)
  - 100 mm (leg length: 150 mm)
  - 150 mm (leg length: 200 mm)
  - 200 mm (leg length: 250 mm)
- Converter / transmitter to Be Combined :  
PH400G pH Converter, or  
PH200G pH Transmitter
- Mounting holder : Y/764 Holder for pH electrode for fermentation use  
Y/776 Holder for pH electrode for fermentation use (removable)
- Note: The electrode that can be incorporated in the Y/776 is limited only to that with an insertion length of 200 mm. (The insertion length within the fermentation tank is 70 mm.)
- Applicable electrode cable :
- Part number K9148KE : length 1 m
  - Part number K9148KF : length 3 m
  - Part number K9148KG : length 5 m
  - Part number K9148KH : length 10 m



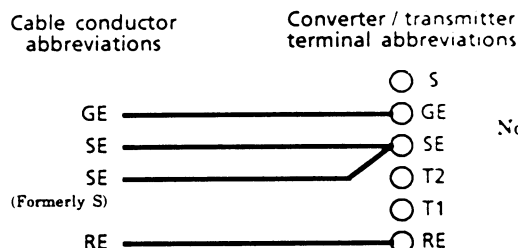
pH Electrode for Fermentation Use and Electrode Cable

### 2. Model and Codes

Model	Basic Code	Option Code	Description
Y / 465	.....	.....	pH electrode for fermentation use
-	- 50	.....	Always - 50
-	- SC	.....	Always - SC
-	- S7	.....	Always - S7
Insertion length within the fermentation tank	- 07	.....	70 mm
	- 10	.....	100 mm
	- 15	.....	150 mm
	- 20	.....	200 mm

### 3. Wiring

Connect the cable to the terminals of the PH400G pH converter or the PH200G pH transmitter.



Note: The pH electrode for fermentation use does not incorporate a temperature sensor. Thus, there are no connections to the converter / transmitter terminals T2 and T1. The two cable conductors abbreviated SE are both connected to the SE terminal of the converter / transmitter. (There is no connection to the terminal S.)