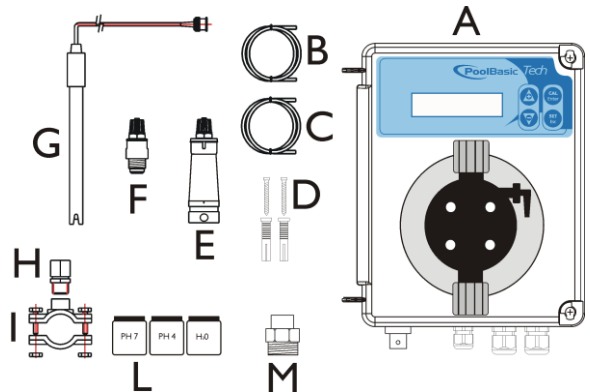


# KONTROL INVIKTA

## PACK CONTENTS

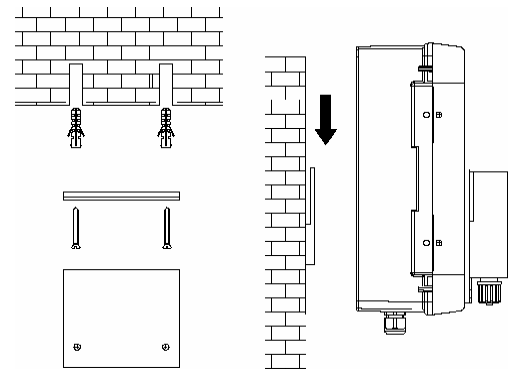
- A) "Kontrol Invikta" pH / REDOX control device
- B) PVC Crystal 4x6 with suction device (2 m)
- C) Polyethylene delivery hose (3m)
- D) Attachment screw ( $\phi=6$  mm)
- E) Foot filter (PVC riser)
- F) FPM duckbill valve (3/8" GAS)



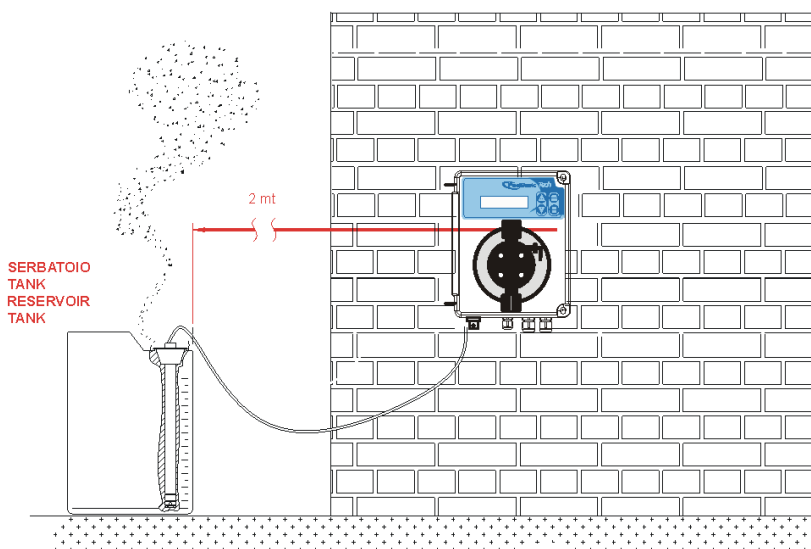
## TECHNICAL SPECIFICATIONS

Dimensions (H – W – L)	234x162x108 mm
Weight	1 kg
Power supply	100 ÷ 240 VAC (50-60 Hz)
Consumption	12 W or 18 W
Pump flow rate	5 l/h
Maximum back-pressure	5 bar
Pump state	Pause - Supply
Measure scale	0 ÷ 14.0 pH; Redox 0÷ +1000 mV
Device precision	± 0,1 pH; ± 10 mV
Device accuracy	± 0,02 pH; ± 2 mV
Electrode regulation	Automatic

## Wall Mounting Setup




## ATTENZIONE / WARNING / ATTENTION / ACHTUNG




## Instruction Setting

### Functions:

- **Calibration**



- (Press  for 3 Seconds):
- Standard Routine calibration for 7 and 4 buffer solution

- **Set Point**


- Press 
- Keep Press Set Key and adjust value with



- **Sp\_7.4ph**

- Press   Setup for 5 Seconds and run Program Setup:

- **Program**

- Press  to set the following Item



- **Configuration\_Pump**

- Adjust  pH or Redox

- **Language**

- (It's possible to have 5 language EN, IT, SP, DE, FR)

- **Flow**

- Adjust value with  and 
- It's possible to enable(ON) or disable (OFF) signal input



- **Setpoint \_\_\_\_7.4ph**

- Adjust value with  and 
- It's possible to adjust from 0 to 14 pH value and 0 to 1000 mV for Redox



- **Setpoint\_Type\_\_Acid**

- Adjust value  and 
- It's possible to adjust Acid or Alkaline dosing and High or Low for Redox



○ **OFA\_Time\_\_\_\_\_off**

- Adjust value  and 
- It's possible to adjust OFA time in minutes

○ **Calibration\_\_\_7/4pH**

- Adjust value  and 
- It's possible to select 2 points 7 and 4 pH, 1 point only 7pH or function disable; for Redox function disable only.

○ **Man\_Temperature\_25°C\_**

- Adjust value  and 
- pH measure only.

○ **Exit\_\_\_\_\_save**

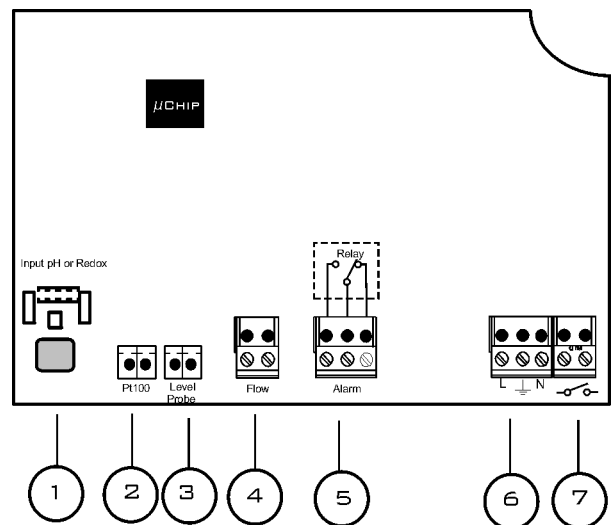
- Adjust value with  up or down key and confirm with 

▪ **Priming**

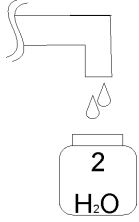
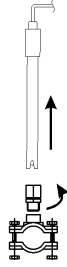
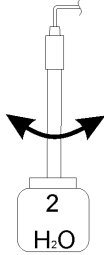
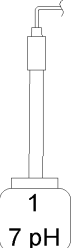


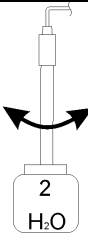
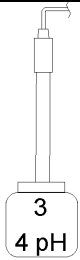

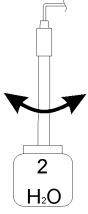


Priming Pump Keep Press  for 3 seconds

**Wire Connection:**

- 1) Input pH or Redox Probe
- 2) Input Temperature Probe (PT100)
- 3) Input Level Probe (Product Tank)
- 4) Input Flow Rate (High Voltage 230 Vac)
- 5) Output Relay Alarm remote (Dry contact, Relay 250 Vac 10 A)
- 6) Power Supply 230 Vac
- 7) Switch Power Supply



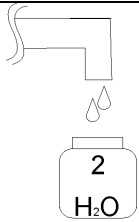

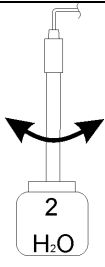
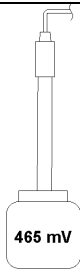


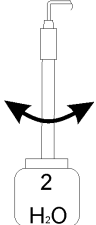
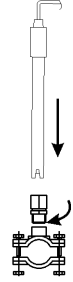

## pH Probe Calibration

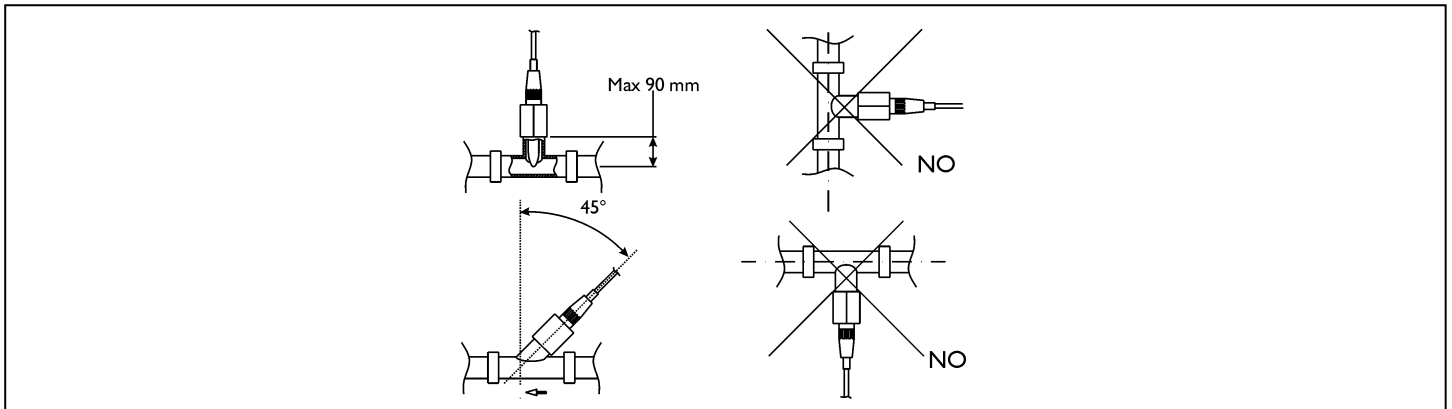
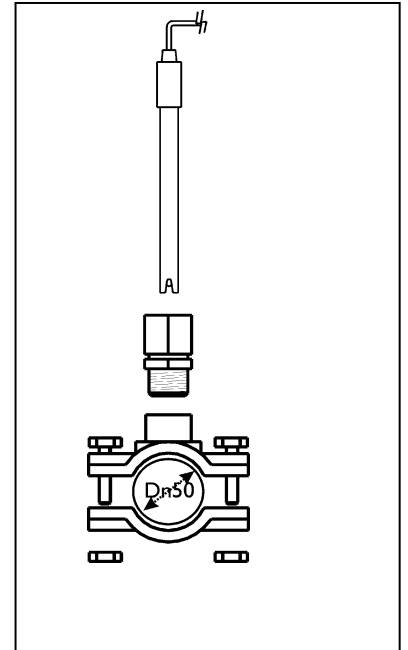
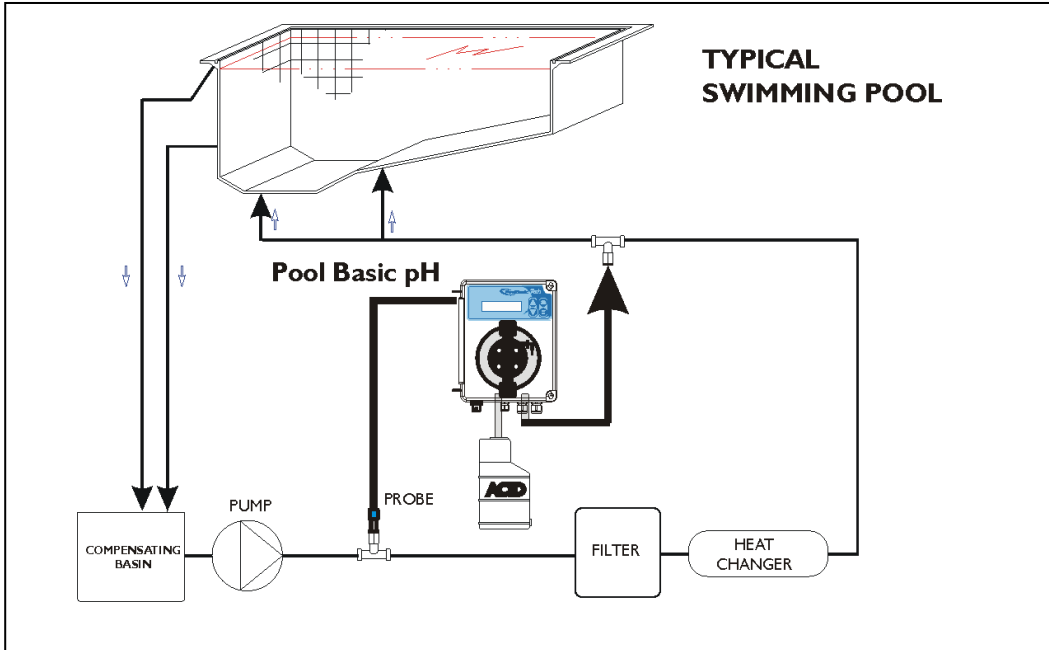
 <p><b>1</b></p>	 <p><b>2</b></p>	 <p><b>3</b></p> <p>Wash</p>
 <p><b>4</b></p> <p>Keep probe into Buffer solution</p>	<p><b>5</b></p> <p><b>Calibration</b></p>  <p>Press Cal Key 3 Seconds</p>	<p><b>6</b></p> <p><b>7pH__Press_CAL</b></p>  <p>Calibration During 1 minutes</p> <p><b>Wait_____60s</b></p>
<p><b>7</b></p> <p><b>7pH_Quality_100%</b></p> <p>Quality Probe</p>	<p><b>8</b></p>  <p>Wash</p>	<p><b>9</b></p>  <p>Keep probe into Buffer solution</p>
<p><b>10</b></p> <p><b>4pH__Press_CAL</b></p>  <p>Calibration During 1 minutes</p> <p><b>Wait_____60s</b></p>	<p><b>11</b></p> <p><b>4pH_Quality_100%</b></p> <p>Quality Probe</p>	<p><b>12</b></p>  <p>Wash</p>
<p><b>13</b></p> 	<p><b>14</b></p>  <p>Press Enter Key to save and exit</p>	<p><b>15</b></p> <p>Normal Status</p>

**Note:**

If you have setting Calibration = 7 pH the function has 1 point calibrate only 7 pH buffer solution.

## Redox Probe Calibration

<p>①</p> 	<p>②</p> 	<p>③</p>  <p style="text-align: center;">Wash</p>
<p>④</p>  <p style="text-align: center;">Keep probe into Buffer solution</p>	<p>5</p> <p style="font-size: 1.2em; font-weight: bold;">Calibration</p>  <p style="text-align: center;">Press Cal Key 3 Seconds</p>	<p>6</p> <p style="font-size: 1.2em; font-weight: bold;">465mv__Press_CAL</p>  <p style="text-align: center;">Calibration During 1 minutes</p> <p style="font-size: 1.2em; font-weight: bold;">Wait_____60s</p>
<p>7</p> <p style="font-size: 1.2em; font-weight: bold;">465mv_Quality_100%</p> <p style="text-align: center;">Quality Probe</p>	<p>⑧</p> 	<p>⑨</p> 
<p>10</p>  <p style="text-align: center;">Press Cal Key 3 Seconds</p>	<p>11</p> <p style="text-align: center;">Normal Status</p>	



Alarm	Display	Relay	Actions to do
Level	<b>Level___7,2_ph</b>	Alarm Relay Close	- Push Enter Key to open Alarm Relay - Restore Product tank
OFA First Alarm (time >70%)	<b>OFA_Alarm__7,2_ph</b>	Alarm Relay open	- Push Enter Key to reset
OFA Second Alarm (time =100%)	<b>OFA_STOP__7,2_ph</b>	Alarm Relay Close	- Push Enter Key to reset
Flow Rate	<b>Flow_____7,2_ph</b>	Alarm Relay open	- Restore Flow Rate
System Error	<b>Parameter_Error</b>	Alarm Relay Open	- Press Enter Key to replace Default parameter - Destroy Unit
Calibration Funciont	<b>Error_7_ph</b> <b>Error_4_ph</b> <b>Error_465_mV</b>	Alarm Relay open	- Restore Probe or Buffer solution and repeat calibration function

- Default parameters:**
- Language = **UK**
  - Set Point value= **7,4 pH; 750mV (Rx)**
  - Dosing Method = **Acid; Low (Rx)**
  - Time OFA = **OFF**
  - Calibration = **7/4 (2 point); 465mV (Rx)**
  - Flow Input= **OFF**
  -

- To restore Default parameters run Following steps:**
- Power off Pool Basic unit
  - Keeping Press UP and DOWN Key switch on the Power.
  - The unit will flash **Init.default\_\_no**
  - Press up **Init.default\_\_Yes**
  - Enter Key to restore Default parameters.