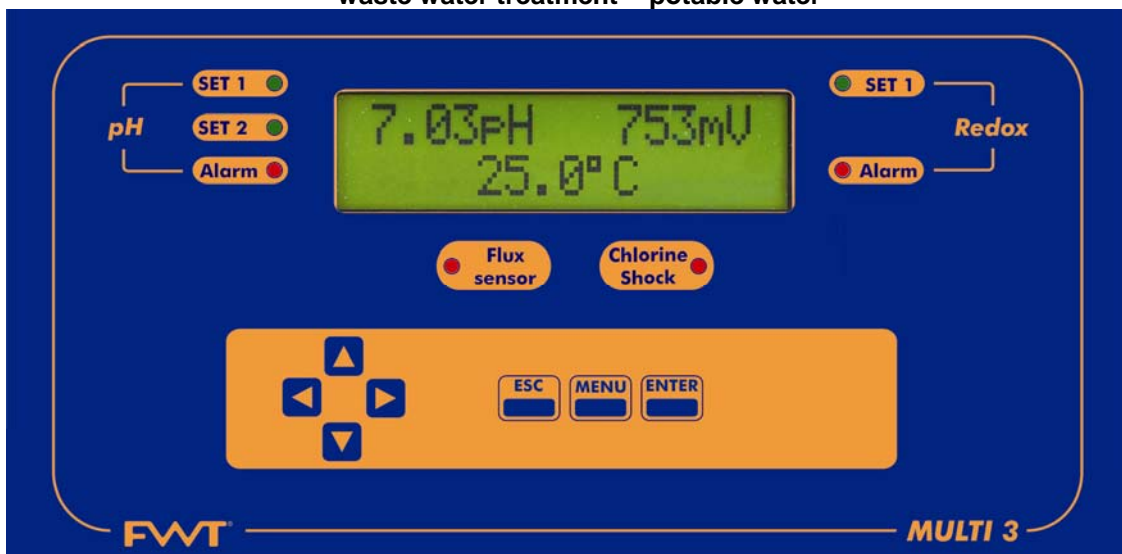




**MULTI3 PHRXT** is a three function measurement and control unit for chemical-physical parameters such as **pH**, **RX redox (ORP)** and **temperature**. The excellent versatility to control also dosing operation makes this unit particularly suitable and indicated for swimming pool and water treatment applications. Microprocessor technology, LCD display and LED status, grant top quality in programming operation, precision and continuous checking of the whole dosing and control system status. MULTI series dimensions are compact and the plastic enclosure offers IP65 rating and is suitable for wall mounting installation.

#### MAIN FIELDS OF APPLICATION:

- public and private swimming pools - whirlpools
- waste water treatment - potable water



#### KEY FEATURES

- Three function controller: pH, redox (ORP), temperature
- Microprocessor and SMD technology
- LCD alpha-numeric back-lit display 2x16
- 3 independent Set-Point with 3 ON-OFF output contact free (1 for pH, 2 for free RX or viceversa)
- 2 outputs 4÷20 mA output for proportional pumps with galvanic isolation.
- 2 outputs 4÷20 mA for data recorders with galvanic isolation.
- Hysteresis setting for ON-OFF set-points.
- Delay setting for each set-point.
- TTL proportional pulse timed output to activate constant mode dosing pump.
- High/low alarm setting for each set-point.
- Block of relay outputs with proximity switch signal.
- Automatic temperature compensation and reading through temperature sensor (latter on request).
- Plastic enclosure IP65 for wall mounting installation

### TECHNICAL CHARACTERISTICS

	pH	RX	Temperature
Measuring range:	0÷14.00 pH	0÷2000 mV	0÷100 °C
Resolution <sup>1</sup> :	0,01 pH	1 mV	0,1 °C
Linearity / Stability:	± 0,1 %	± 0,1 %	± 0,1 %
Reproducibility:	± 0,1 %	± 0,1 %	± 0,1 %
Hysteresis regulation:	± 0,05 pH	± 5 mV	-
Delay(adjustable):	0÷255 sec.	0÷255 sec.	-
Zero <sup>2</sup> calibration:	± 10%	± 20%	-
Gain <sup>3</sup> :	± 25%	-----	-
Operation mode:	Acid/Alkaline	Oxidant/Reducing	-
Alarms adjustment:	High/Low pH value	High/Low RX value	-
Input probes:	pH electrode	RX electrode	FWT STEMP1or2
Electrodes input value:	10 <sup>12</sup> Ω	10 <sup>12</sup> Ω	-
Connections:	BNC connector	BNC connector	connection
Set-points:	1	1	-
Proximity switch:	<b>it stops output operations in case of no water flow into the cell and/or the system</b>		

\*Free chlorine (chlorine residual)

1-Resolution: display resolution

2-Zero: potentiometer excursion adjustment from calibration point

3-Gain calibration: electrode adjustment gain

Outputs:	<b>3 relay outputs:</b>	Contact free 5A max 220 VCA with galvanic isolation to activate a Constant/ON-OFF mode dosing pumps or other equipment.
	<b>3 Pulse (timed) proportional outputs:</b>	TTL Proportional time/pause pulse output with galvanic isolation for each set point, to activate constant ON/OFF mode dosing pump.
	<b>2 proportional mA:</b>	4÷20 mA 400 Ω max with galvanic isolation to drive proportional dosing pumps suitable to process remote mA signal.
	<b>2 proportional mA:</b>	4÷20 mA with galvanic isolation output to drive a chart recorder
	<b>1 main alarm output:</b>	Alarm in case measured value is High or Lower then selected values.

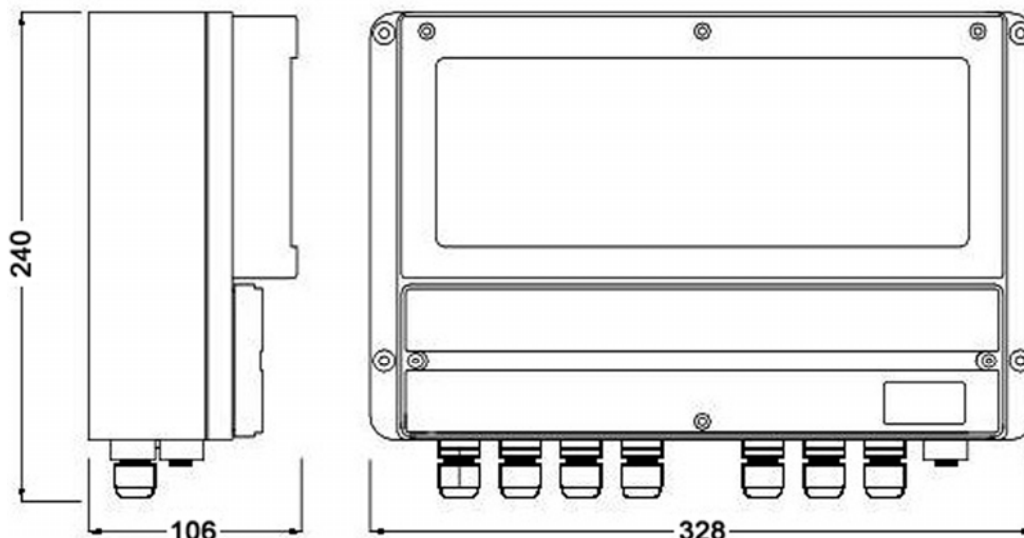
Working temperature:	0÷50°C - Automatic temperature compensation and reading through sensor.
Power supply:	230V – Single phase – 50/60 Hz; available 24Vdc

Enclosure:	Protection rating:	IP65
	Material:	Polystyrene Plastic
	Front controls cover:	Polycarbonate transparent snap-in

**NOTE:** MULTI series is **NOT** provided with Chlorine cell, electrodes and probes which are available upon request.

**FWT di Tommaso Commonara declines any responsibility in case the controller is used with other brand probes and sensors.**

### DIMENSIONS :



<b>Net weight: 1,80 KG</b>
<b>Gross weight: 2,20 KG</b>