



DR20 is a microprocessor based series with digital controls and LCD display. Easy Programming, reliable measurements, and versatile features to control other external equipment. DR20 series provides excellent quality/price and is enclosed into DIN 437000 type enclosure for panel mounting.



CONTROL MODES

Advanced programming functions:	it allows to program two threshold points to open a working range around set-point value.
Pulse proportional mode on set point 2:	pulse (timed) proportional output activates a dosing pump with constant mode frequency.
Proportional output 4÷20 mA:	analog 4÷20 mA output to drive either a chart recorder or dosing pump suitable to accept a mA external signal on set-point 2.
On-Off mode via relay output:	it will activate a constant / ON-OFF dosing pump with pulse frequency control.
Response Delay:	It will delay the pump injection for time selectable, thus allowing the right time for the electrode to get polarized.

MAIN FEATURES

	DR20-PH	DR20-CL	DR20-RX	DR20-CD		
Range:	0÷14.00 pH	0÷10.00 ppm	0÷1999 mV	0÷10.00 mS	0÷1000 uS	0÷100 uS
Resolution:	0,01 ph	0,01 ppm	1 mV	10 uS	1 uS	0,1 uS
Hysteresis:	0,01 pH	0,01 ppm	1 mV	0,05÷1,00mS	5÷100uS	0,5÷10uS
Connections:	BNC	wiring clamp	BNC	connections wiring clamp		
Input probes:	pH electrode	Amperometric chlorine cell	Rx electrode	CD probe constant K1	CD probe constant K5	CD probe constant K5

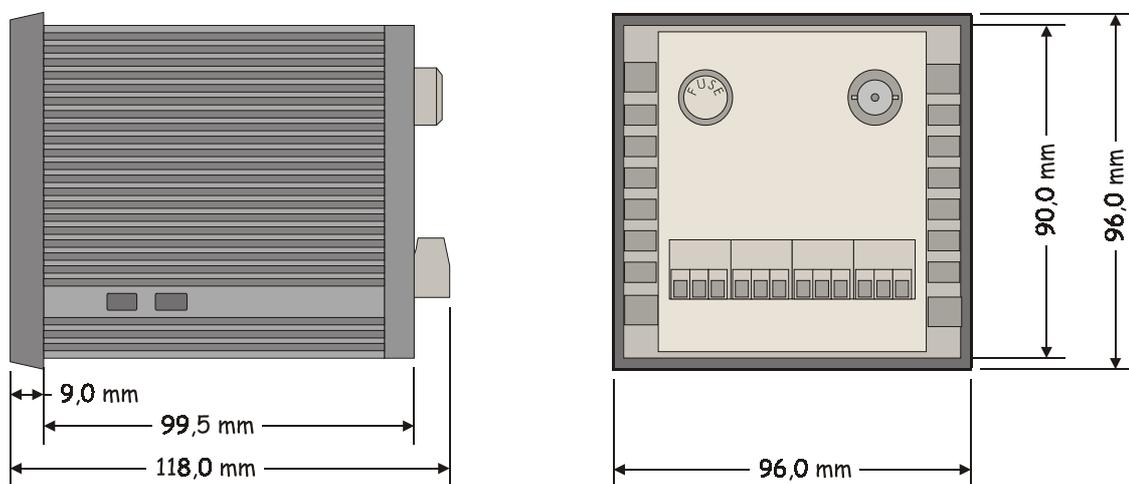
OTHER TECHNICAL CHARACTERISTICS

Linearity:	0,2%
Stability:	0,2%
Reproducibility:	0,2%
Delay:	Max 99 sec.
Zero calibration:	± 20%
Gain calibration:	± 25%
Input impedance:	Max 400 Ohm
Power supply:	230 Vac standard; upon request 24 V ~/115V~
Fuse	1 fuse 315 mA delayed
Working temperature:	0÷50°C
Electrical connections:	Extractable electrical connector clamp

Set-Points:	two set-points ON-OFF	Contact free Two set points to activate two constant/On-Off dosing pumps or other equipment.
	Pulse (timed) proportional output	Set point 2 activates a dosing pump with constant mode frequency.
Functions:	Analogic 4÷20 mA output proportional to set-point 2	analog 4÷20 mA output to drive either a chart recorder or dosing pump suitable to accept a mA external signal on set-point 2.
Outputs:	Output 1	Contact free
	Output 2	Contact free
	Output 3	timed pulses proportional
	Resistive load	5A max 230 V AC
	Inductive load	1A 230 V AC
	Chart recorder output	4÷20 mA 400 Ohm
Enclosure:	Protection rating	IP54
	Material	Anodised aluminium, DIN 437000
	Dimensions	96x96x118
	Front controls panel	Polycarbonate adhesive

NOTE: DR20 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 pump is used with other brand probes and sensors.

Dimensions



Net weight: 310 grams (850 grams with IP65 plastic housing)