

## Ergonomic digital pH meter

## ARW-220 / ARW-220 S

Suitable for many applications: In the food industry in general, in the control of potable water, lakes and rivers, fishing industry, schools, swimming pools, analysis laboratories and in all processes where it is necessary to control quality through the measurement of pH.

- Compact, easy to use
- Equipped with separate electrode to facilitate the use in any situation
- Measurement range from 0 to 14.00 pH
- Auto-calibration for pH 4, pH 7 or pH 10
- Temperature compensation without need for any setting
- Water-proof, IP65
- Supplied with separate electrode "PH" and calibration solutions of pH 4 and pH 7
- Reversible LCD for easy viewing at any angle
- Data hold function for the block of reading
- "Auto power off" function

### TECHNICAL FEATURES

Display	LCD, Size: 20 mm x 28 mm. * Reversible pressing the appropriate
Measuring range	0 - 14 pH x 0.01 pH di resolution
Resolution	0.01 pH
Accuracy	± 0.07 pH (from pH 5 a pH 9) ± 0.1 pH (from pH 4 to pH 5 e pH 9 to pH 10) ± 0.2 pH (from pH 1 to pH 4 e pH 10 to pH 13) * 23± 5 * After the calibration
Input impedance	10 <sup>12</sup> ohms.
Temperature compensation	automatic
Sampling Time	Approx. 0.8 secondi
Operating temperature	from 0°C to 50°C ( 32 °F a 122 °F)
Operating Humidity	Less than 80% RH
Calibration method	Auto-calibration, pH 7, pH 4 (o pH 10)
Power supply	DC 1.5V, 4 Batteries (UM-4/AAA)
Power consumption	Approx. 4.8 mA
Size	Instrument: 180 x 40 x 32mm (7.1 x 1.6 x 1.3 inch) Electrode: version 220: 9.5 mm diam. x 120 mm version 220S: 12 mm diam. x 160 mm Electrode cable length: approx. 1 m.
Weight	220 g/0.48 LB (including electrodes)
PH electrode	Epoxi with BNC
Supplied with	Instrument.....1 PC PH electrode.....1 PC Solution pH 7.00, PH-7A.....1 PC Solution pH 4.00, PH-4A.....1 PC Carring Case.....1 PC



### ARW-220 S Version with pH electrode spear tip for penetration pH measurements

Ideal for measuring a lot of products: in the food industry for measurements on semi-solid products, meat, cheese, pasta, fruit, etc.. in agriculture for the measurement on soils and products and in all cases is necessary a measure with penetration (the electrode can be also used in measuring liquids).

- PH electrode penetration with glass tip

## TACHOMETER

### Digital Tachometer Optical-Mechanical

#### ARW AT-8

For order 220121480

Version mechanical/optical (contact/Non contact mode), by simply connecting the upper end of the tachometer with the accessorie equipped with a conical tip or a wheel, the tachometer is transformed from optical to mechanical. Equipped with a laser pointer for easy centering of the object to be measured (in optical mode only).

- Large dual line LCD display with backlit
- Equipped with a conical Tip for the measurement of rotation g/min "RPM"
- Scroll wheel for linear measurements "m/min" (Contact read)
- Sampling time 0.5 sec. (over 120 RPM)
- Time base: Quartz crystal
- Low battery indication
- Battery: 9V.
- Power consumption: Approx 45mA
- Supplied with ABS case, adhesive tape reflectors, wheel, kit conical tips, batteries and user manual.

### TECHNICAL FEATURES

Display	5 digits LCD display
Accuracy	±(0.05%+1 digits)
Range (Contact)	2 - 20,000RPM
Range (optical)	2 - 99,999RPM
The total count range	1 - 99,999
Resolution	0.1 RPM (2 - 9999.9 RPM).1 RPM. (over 10000 RPM)
Working Distance	50mm - 500 mm
Operating temperature	0° - 50°(32 - 122° F)

