

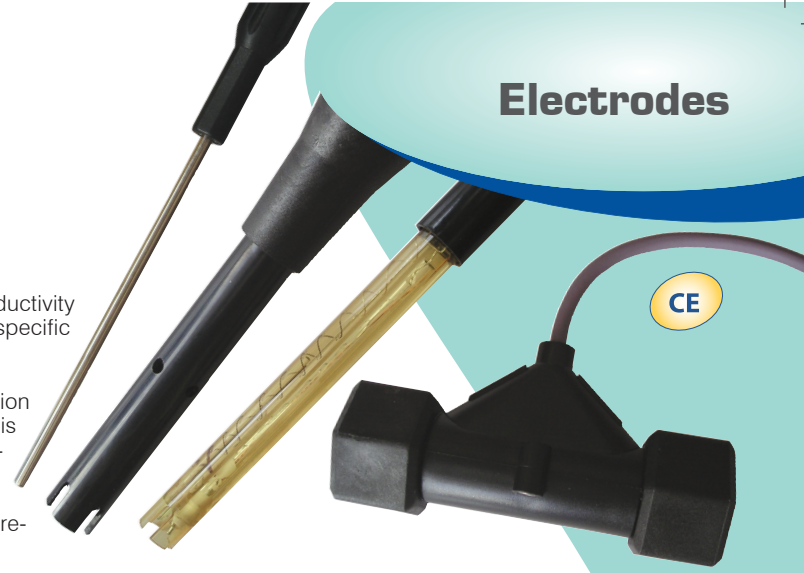
## Electrodes & Probes pH, ORP, Conductivity, Dissolved Oxygen



Milwaukee has a wide assortment of pH, ORP, Conductivity and other specialty sensors to meet all your specific requirements.

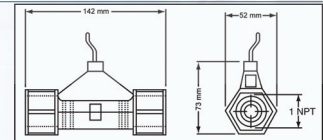
Finding the right electrode for a specific application is a very important task and in order to solve this selection problem it is important to consider the following: electrode body, reference construction and junction.

Below you will find a list of Milwaukee electrodes and probes with corresponding instruments they are supplied with.



### OTHERS ELECTRODES & PROBES

	MA811D/1	Conductivity/TDS probe with DIN connector and 1 meter cable (for SM301 & SM401)
	MA811/2	Conductivity/TDS probe with 2 meter cable (for SMS310)
	MA812D/1	Conductivity/TDS probe with DIN connector and 1 meter cable (for SM302 & SM402)
	MA812/2	Conductivity/TDS probe with 2 meter cable (for SMS410)
	MA814DB/1	4-ring Conductivity/TDS/Temperature probe with DIN connector and 1 meter cable (for Mi170 & Mi180)
	MA814D/1	4-ring Conductivity/TDS/Temperature probe with DIN connector and 1 meter cable (for Mi306)
	MA815/2	Conductivity probe with 2 meter cable (for SMS315)
	MA816/2	TDS probe with 2 meter cable (for SMS415)
	MA818/5	In line 4-pin Conductivity probe with pipe threads at both end with NTC sensor and 5 meter cable
	MA831R	Stainless steel Temperature probe
	MA840	Polarographic D.O. probe with 3 meter cable (for SMS600 & Mi605)
	MA850	Combination spare probe for pH/Conductivity/TDS with 1 meter cable (for SM801 & SM802)
	MA851D/1	pH/Conductivity/TDS/Temperature amplified probe with DIN connector and 1 meter cable (for Mi805 & Mi806)
	MA911B/1 MA911B/3	Double junction, gel filled pH electrode with BNC connector, with 1 or 3 meter cable
	MA914BR/1	pH/Temperature amplified probe with BNC & RCA connectors with 1 meter cable
	MA921B/1 MA921B/2	Double junction, gel filled ORP electrode with platinum sensor, with BNC connector and 1 or 2 meter cable
	MA923D/1	pH/ORP/Temperature amplified probe with DIN connector and 1 meter cable (for Mi106)



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## Electrode Selection Guide pH, ORP, Conductivity, Dissolved Oxygen

Milwaukee has a wide assortment of pH, ORP, Conductivity and other specialty sensors to meet all your specific requirements.

Before selecting an electrode, please consult the table below. The recommended electrodes are the ones best suited to each application, however we also ask you to verify the specifications on pages 6-7-8-9

Special electrodes for specific applications can also be manufactured upon request.



www.esesongear.com

Applications	pH	pH											ORP	Conductivity	D.O.	MA840	
		MA905B/3	MA911B/1	MA913B/3	MA914BR/1	MA915B/2	MA916B/1	MA916B/3	MA917B/1	MA918B/1	MA919B/1	MA920B/1					MA923D/1
Agriculture / Soil testing																	
Aquarium																	
Cheese																	
Dairy products																	
Emulsions																	
Environmental, Pollution																	
Fish farming																	
Food and beverage (general use)																	
Galvanizing waste solution																	
Hi purity water																	
Heavy duty applications																	
In-line applications																	
Laboratory (general use)																	
Meat																	
Paints																	
Paper																	
Photographic chemicals																	
Strong acid																	
Swimming pools																	
Water supply																	
Wine processing																	

# pH Electrode Storage and Maintenance

## pH Electrode Storage and Maintenance

To ensure a quick response and free-flowing liquid junction, the sensing element and reference junction must not be allowed to dry out. The following instructions apply to refillable electrodes. For gel-filled electrodes, consult instruction manual.

### Routine Storage

Soak electrode in a pH Electrode Storage Solution (MA9015). If a storage solution is unavailable, pH 4 buffer or pH7.01 may be used. The fill hole should be covered to prohibit evaporation of reference fill solution.

### Maintenance

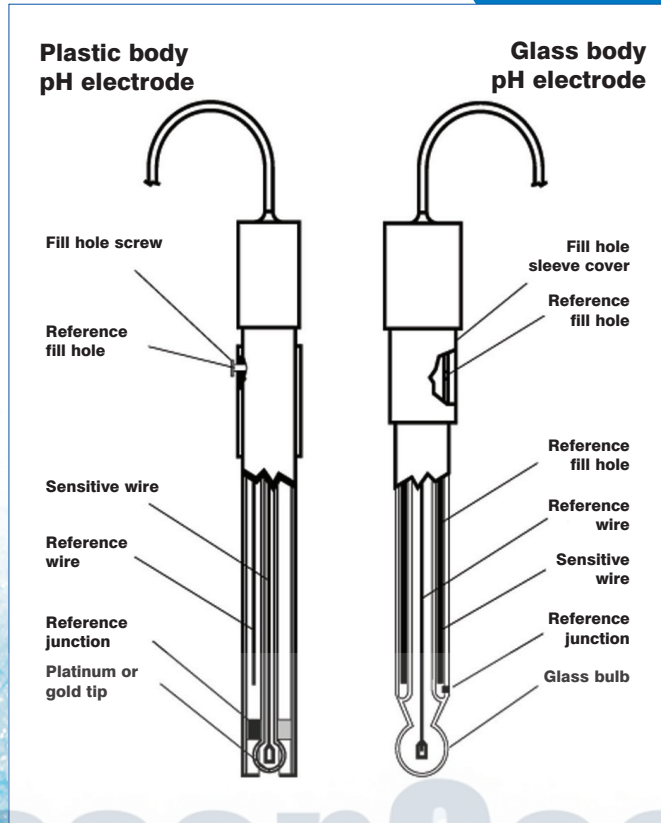
Cleaning your electrode between and after use will help extend the life of your electrode and avoid the cost of early replacement.

### Routine Cleaning

Soak electrode in MA9016 cleaning solution for half an hour, followed by soaking it in storage solution (MA9015) for at least two hours.

### Weekly Maintenance

Inspect electrodes for scratches, cracks, salt crystal buildup, or membrane/junction deposits. Rinse off any salt buildup with distilled water, and remove any membrane/junction deposits as directed in cleaning procedures below. The reference chamber should be drained, flushed with fresh filling solution, and refilled.



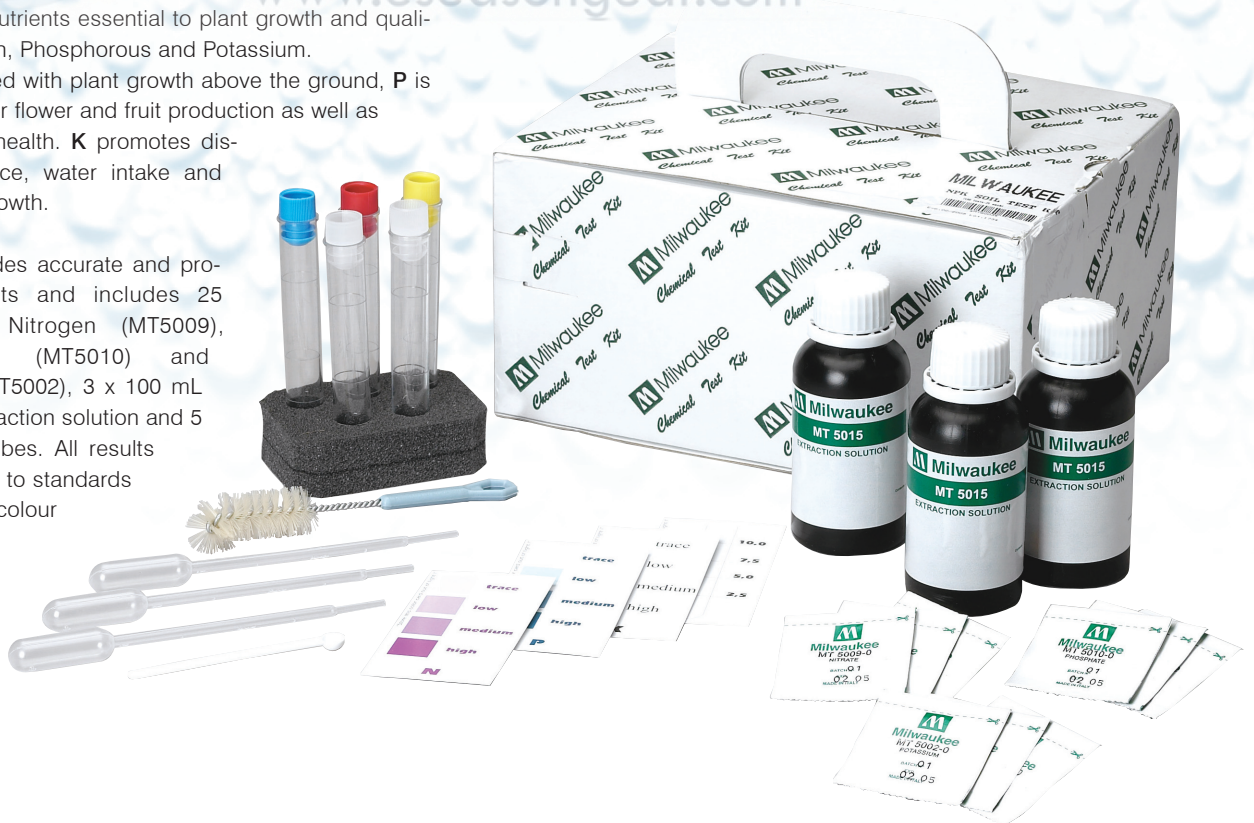
# MT6003 NPK Soil Test Kit

www.eseasongear.com

The primary nutrients essential to plant growth and quality are Nitrogen, Phosphorous and Potassium.

**N** is associated with plant growth above the ground, **P** is responsible for flower and fruit production as well as overall plant health. **K** promotes disease resistance, water intake and strong root growth.

This kit provides accurate and professional tests and includes 25 sachets of Nitrogen (MT5009), Phosphorous (MT5010) and Potassium (MT5002), 3 x 100 mL bottles of extraction solution and 5 plastic test tubes. All results are compared to standards on laminated colour charts.



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