

Electrochemistry

pH meters, hand held



Multiparameter meters, portable, SevenGo Duo™ and SevenGo Duo Pro™



METTLER TOLEDO

- Portable instruments for pH, conductivity, ion and dissolved oxygen determination
- Robust, watertight single- and dual-channel instruments for use in demanding conditions
- Unique ergonomics and extremely simple operation

The instruments are suited for mobile measurements both in the field and in the production environment.

The SG23 SevenGo Duo™ pH/mV/conductivity meter is best suited for parallel routine measurements in dual-channel mode. In addition, it also offers Intelligent Sensor Management (ISM®).

The SG78 and SG68 SevenGo Duo Pro™ instruments allow simultaneous determination and display of two electrochemical parameters with highest possible accuracy. They have the same comprehensive GLP functions as their SevenGo Pro™ counterparts. In addition, the SevenGo Duo pro™ instruments have extra security functions, such as Intelligent Sensor Management (ISM®), PIN-protected device logon and PIN-protected system setting.

Technical Specification - Specific

		SevenGo Duo™ SG23	SevenGo Duo Pro™ SG68	SevenGo Duo Pro SG78
pH	Range, pH	0 to 14	-2.000 to 19.999	-2 to 19.999
	Resolution, pH	0.01	0.001	0.001
	Calibration	3 Point calibration, 4 predefined groups	5 Point with 7 predefined groups	5 Point with 7 predefined groups
	Accuracy, pH	±0.01	±0.002	±0.002
mV	Range, mV	-1,999 to 1,999	-1,999 to 1,999	-1,999 to 1,999
	Resolution, mV	1	0.1	0.1
Conductivity	Range conductivity	0.01µS/cm to 500mS/cm	-	0.01µS/cm to 1,000mS/cm
	Resolution, conductivity	0.01µS/cm to 1µS/cm	-	0.01mS/cm
	Range, TDS	0.01mg/L to 300g/L	-	0.01mg/L to 600g/L
	Resolution, TDS	0.01mg/L to 1g/L	-	0.01mg/L to 1g/L
Spec. resistance	Range	0MΩcm to 100MΩcm	-	0MΩcm to 100MΩcm
	Resolution	0.01MΩcm to 1MΩcm	-	0.01MΩcm
Salinity	Range, salinity	0ppt to 80ppt	-	0ppt to 80ppt
	Resolution, salinity	0.01ppt to 0.1ppt	-	0.01ppt
Ion concentration	Range, concentration	-	0.000% to 999.9%	0.000% to 999.9%
			0.000ppm to 9999 ppm	0.000ppm to 9,999 ppm
			1.00 ⁻³ mg/L to 9.99 ³ mg/L (mmol/L, mol/L)	1.00 x 10 ⁻³ mg/L to 9.99 ³ mg/L (mmol/L, mol/L)
Temperature	Range, °C	-5 to 105	-5.0 to 130	-5 to 130
General	Inputs	BNC (10 ¹² Ω), NTC 30KΩ LTW 7-pin, IP67 rated	BNC (10Ω); NTC 30KΩ BNC (10 ¹² Ω); NTC 30KΩ, All IP67 rated	BNC (10 ¹² Ω), NTC 30k LTW 7 pin IP67 rated
	Outputs	-	IR to printer or PC	IR to printer or PC
	Memory	99 GLP data records	500 GLP data records	500 GLP Data records

SevenGo Duo™ SG23

All meters and kits include as standard, wrist strap, 4 x AA batteries, operating instructions, test certificate and declaration of conformity

Catalogue No	Legacy No	Alt. No	Description	Contents
10205774	-	51302601	SG23 Electrode kit	Dual channel pH/conductivity meter with InLab® Expert-Pro-ISM-IP67 pH electrode, InLab® 738-ISM conductivity sensor (both IP67 with 1.8m cable)
10014604	-	51302602	SG23 Field kit	Dual channel pH/conductivity meter with InLab® Expert-Pro-ISM-IP67 pH electrode, InLab® 738-ISM conductivity sensor (both IP67 with 1.8m cable), with field case, rubber holster, 2 SevenGo™ clips, 2 x pH4.00, 7.00 and 9.21 buffer sachets, 2 x 1,413µS/cm and 12.88mS/cm conductivity standards, calibration bottles
10349834	-	51302603	SG23 Field kit	Dual channel pH/conductivity meter with InLab® Expert-Pro-ISM-IP67 pH electrode, InLab® 738-ISM conductivity sensor (both IP67 with 5m cable), with field case, rubber holster, 2 SevenGo™ clips, 2 x pH4.00, 7.00 and 9.21 buffer sachets, 2 x 1,413µS/cm and 12.88mS/cm conductivity standards, calibration bottles

SevenGo Duo Pro™ SG68

All meters and kits include as standard, wrist strap, 4 x AA batteries, operating instructions, test certificate and declaration of conformity

Catalogue No	Legacy No	Alt. No	Description	Contents
10717315	-	51302611	SG68 Electrode kit	Dual channel pH/ion/DO meter with InLab® Expert-Pro-ISM-IP67 pH electrode, InLab® 605-ISM DO sensor (both IP67 with 1.8m cable)
10799175	-	51302612	SG68 Field kit	Dual channel pH/DO meter with InLab® Expert-Pro-ISM-IP67 pH electrode, InLab® 605-ISM DO sensor (both IP67 with 1.8m cable), with field case, rubber holster, 2 SevenGo™ clips, 2 x pH4.00 and 7.00 buffer sachets, calibration bottles
10004414	-	51302613	SG68 Field kit	Dual channel pH/DO meter with InLab® Expert-Pro-ISM-IP67 pH electrode, InLab® 605-ISM DO sensor (both IP67 with 5m cable), with field case, rubber holster, 2 SevenGo™ clips, 2 x pH4.00 and 7.00 buffer sachets, calibration bottles