

Multiparameter meter, bench top, SevenExcellence™



METTLER TOLEDO

Technical Specification - Specific

	Model No	13457806	13470679	13430679	13400689
		Seven Excellence™ S400	Seven Excellence™ S500	Seven Excellence™ S700	Seven Excellence™ S470
pH	Range, pH	-2.00 to 20.00	-2.00 to 20.00	-	-2.00 to 20.00
	Resolution, pH	0.001	0.001	-	0.001
mV	Range, mV	-2,000 to 2,000	-2,000 to 2,000	-	-2,000 to 2,000
	Resolution, mV	0.1	0.1	-	0.1
Conductivity	Range conductivity	-	-	0.001µS/cm to 200S/cm	0.001µS/cm to 200S/cm
	Resolution, conductivity	-	-	0.001µS/cm	0.001µS/cm
TDS	Range, TDS	-	-	0.01mg/L to 300g/L	0.01mg/L to 300g/L
	Resolution, TDS	-	-	0.001mg/L to 1,000g/L	0.001mg/L to 1,000g/L
Spec. resistance	Range	-	-	0.001MΩcm to 100MΩcm	0.001MΩcm to 100MΩcm
	Resolution	-	-	0.01Ωcm	0.01Ωcm
Salinity	Range, salinity	-	-	0.00ppt to 80.0ppt	0.00ppt to 80.0ppt
	Resolution, salinity	-	-	0.01ppt	0.01ppt
Ion concentration	Range, concentration	-	0.000% to 999.9% 0.000t to 9,999ppm 1.00e ⁻⁹ to 9.99e ⁹ mg/L, mmol/L, mol/L	-	-

Technical Specification - General

Calibration	Max. 5 points, 8 pre-defined and 20 user defined buffer groups
Methods	17 pre-defined and 60 user defined methods
Calculation function	User-definable with optional method termination
Operation	Date/time, PIN protection, user management, 10 languages
Data storage method	Max. 20,000 data points, 250 analyses
Data transfer	USB stick, LabX direct PC software
Interface	Intelligent sensor management supported



Catalogue No	Legacy No	Alt. No	Description
13457806	-	30046241	S400 kit includes: pH/mV extension unit, 2 blank extension units, uPlace™ electrode holder, LabX direct pH PC software, with InLab® Expert Pro-ISM and 2 buffer sachets for each of pH4.01, 7.00, 9.21 and 10.00
13470679	-	30046249	S500 kit includes: pH/ion extension unit, 2 blank extension units, uPlace™ electrode holder, LabX direct pH PC software, with InLab® Expert Pro-ISM and 2 buffer sachets for each of pH4.01, 7.00, 9.21 and 10.00.
13430679	-	30046245	S700 kit includes: conductivity expansion unit, 2 blank extension units, uPlace™ electrode holder, LabX direct pH PC software, with InLab® 731-ISM and 2 calibration sachets for each of 1,413µS/cm and 12.88mS/cm
13400689	-	30046253	S470 kit, pH/mv expansion unit, conductivity expansion unit, blank expansion unit, uPlace™ electrode holder, LabX direct pH PC software, with InLab® Expert Pro-ISM, InLab® 731-ISM, guide to pH measurements, 2 buffer sachets for each of pH4.01, 7.00, 9.21 and 10.00 and 2 calibration sachets for each of 1,413µS/cm and 12.88mS/cm

Accessories

Catalogue No	Legacy No	Alt. No	Description
11394203	-	30014096	InLab® Expert Pro-ISM pH electrode with integrated NTC 30K temperature probe, PEEK shaft material, XEROLYT® polymer electrolyte with open junction
11334223	-	30014092	InLab® 731-ISM conductivity sensor, 4 pole graphite, epoxy shaft, 10µS/cm to 1,000mS/cm, fixed 1.2m cable, mini-DIN
10690124	-	30014094	InLab® 741-ISM conductivity sensor, 2 pole VA4, stainless steel shaft, 0.01µS/cm to 500µS/cm, fixed 1.2m cable, mini-DIN
11987811	-	51344706	PerfectION™ combination ISE electrode, chloride
10566415	-	51344715	PerfectION™ combination ISE electrode, fluoride
11947821	-	51344727	PerfectION™ combination ISE electrode, nitrate
12810523	-	51302068	Rainbow I buffers 30 x 20mL sachets for each of pH4.01/7.00/9.21
12704594	-	51302080	Rainbow II buffers 30 x 20mL sachets for each of pH4.01/7.00/9.21
12820523	-	51302049	Conductivity standard, 1,413µS/cm, box of 30 x 20mL sachets
12764584	-	51302050	Conductivity standard, 12.88mS/cm, box of 30 x 20mL sachets