

InLab® Sensors developed for your applications

Comparison chart



We have a great pleasure to introduce the new InLab® Sensors line. The comparison chart will make the transition from the old to new portfolio much easier and will show which replacement is the right one. The manufacturing of high quality sensors with outstanding performance not only requires technical skills and expertise but also a profound understanding of the various customer applications and their specific requirements.

The rework of the InLab sensors comprises all InLab pH, Redox and Conductivity probes, resulting in a portfolio that offers your customers:

- **Simplified Sensor Selection:** The lean and well-structured sensor portfolio simplifies the selection of the right sensor for every customer application.
- **Appealing Design:** The new puristic and timeless sensor design matches the design of our meter portfolio and carries brand quality perfectly.
- **Improved Usability:** The completely reworked SafeLock™ and spill-free wetting cap boost ease-of-use to the next level.

METTLER TOLEDO

	OLD		NEW		Change in design	Change in specifications	New name	Completely new product	New item number
	Order no.	Product name	Order no.	Product name					
pH Electrodes	-	-	30248830	InLab® Max Pro-ISM				x	
	-	-	30248832	InLab® Routine Go-ISM				x	
	-	-	30248120	InLab® Reach 425				x	
	-	-	30248826	InLab® Reach Pro-225				x	
	-	-	30248828	InLab® Reach Pt1000-225				x	
	-	-	30244732	InLab® Ultra Micro-ISM				x	
	-	-	30248112	InLab® Pure				x	
	-	-	30247850	InLab® Cool Pro-ISM				x	
	-	-	30249570	InLab® Surface Pro-ISM				x	
	30014096	InLab® Expert Pro-ISM	30014096	InLab® Expert Pro-ISM	x				
	30027775	InLab® Smart Pro-ISM	30027775	InLab® Smart Pro-ISM	x				
	30092990	InLab® Nano	30092990	InLab® Nano	x				
	30244733	InLab® Reach	30244733	InLab® Reach 225	x	x	x		
	51340288	InLab® 413 SG	51340288	InLab® Expert Go	x		x		
	51343010	InLab® Easy	51343010	InLab® Easy	x				
	51343011	InLab® Easy BNC	51343011	InLab® Easy BNC	x				
	51343031	InLab® Versatile Pro	51343031	InLab® Versatile Pro	x				
	51343050	InLab® Routine	51343050	InLab® Routine	x				
	51343054	InLab® Routine Pro	51343054	InLab® Routine Pro	x				
	51343056	InLab® Routine Pt1000	51343056	InLab® Routine Pt1000	x				
	51343061	InLab® Reach Pro	51343061	InLab® Reach Pro-425	x	x	x		
	51343062	InLab® Reach Pt1000	51343062	InLab® Reach Pt1000-425	x	x	x		
	51343070	InLab® Science	51343070	InLab® Science	x				
	51343100	InLab® Expert	51343100	InLab® Expert	x				
	51343101	InLab® Expert Pro	51343101	InLab® Expert Pro	x				
	51343102	InLab® Expert 2m	51343102	InLab® Expert Pro-2m-ISM	x	x	x		
	51343103	InLab® Expert DIN	51343103	InLab® Expert DIN	x				
	51343104	InLab® Expert NTC30	51343104	InLab® Expert NTC30	x				
	51343105	InLab® Expert Pt1000	51343105	InLab® Expert Pt1000	x				
	51343110	InLab® Power	51343110	InLab® Power	x				
	51343150	InLab® Viscous	51343150	InLab® Viscous	x				
	51343151	InLab® Viscous Pro	51343151	InLab® Viscous Pro-ISM	x	x	x		
	51343153	InLab® Solids	51343153	InLab® Solids	x				
	51343156	InLab® Solids Pro IP67	51343156	InLab® Solids Go-ISM	x	x	x		
	51343157	InLab® Surface	51343157	InLab® Surface	x	x			
	51343160	InLab® Micro	51343160	InLab® Micro	x				
	51343161	InLab® Semi-Micro-L	51343161	InLab® Semi-Micro-L	x				
	51343164	InLab® Flex-Micro	51343164	InLab® Flex-Micro	x				
	51343165	InLab® Semi-Micro	51343165	InLab® Semi-Micro	x				

	OLD		NEW		Change in design	Change in specifications	New name	Completely new product	New item number
	Order no.	Product name	Order no.	Product name					
pH Electrodes	51343170	InLab® Pure	30253098	InLab® Water Go	x				x
	51343174	InLab® Cool	51343174	InLab® Cool	x				
	51343176	InLab® Hydrofluoric	51343176	InLab® Hydrofluoric	x				
	51343190	InLab® Reference	51343190	InLab® Reference	x				
	51343191	InLab® Reference-Plus	51343191	InLab® Reference-Plus	x				
	51343192	InLab® Reference-Flow	51343192	InLab® Reference-Flow	x				
	51343195	InLab® Mono	51343195	InLab® Mono	x				
	51343196	InLab® Mono Pro	51343196	InLab® Mono Plus	x		x		
	51344055	InLab® Routine Pro-ISM	51344055	InLab® Routine Pro-ISM	x				
	51344072	InLab® Science Pro-ISM	51344072	InLab® Science Pro-ISM	x				
	51344102	InLab® Expert Pro ISM-IP67	51344102	InLab® Expert Go-ISM	x		x		
	51344103	InLab® Expert Pro-ISM-IP67-5m	51344103	InLab® Expert Go-5m-ISM	x		x		
	51344104	InLab® Expert Pro-ISM-IP67-10m	51344104	InLab® Expert Go-10m-ISM	x		x		
	51344155	InLab® Solids Pro-ISM	51344155	InLab® Solids Pro-ISM	x				
	51344163	InLab® Micro Pro-ISM	51344163	InLab® Micro Pro-ISM	x				
	51344172	InLab® Pure Pro-ISM	51344172	InLab® Pure Pro-ISM	x				
	51344211	InLab® Power Pro-ISM	51344211	InLab® Power Pro-ISM	x				
	59902917	RedCapUT402-611-S7/40	59902917	InLab® Flow	x		x		
	59904572	RedCap U402-M3-S7/200	59904572	InLab® NMR	x		x		
	59904591	RedCap 405-60-T-S7/120/9848	59904591	InLab® Dairy	x		x		
ORP Sensors	51343200	InLab® Redox	51343200	InLab® Redox	x				
	51343201	InLab® Redox Pro	51343201	InLab® Redox Flow	x		x		
	51343202	InLab® Redox-L	51343202	InLab® Redox-L	x				
	51343203	InLab® Redox Micro	51343203	InLab® Redox Micro	x				
	51343204	InLab® Redox Au	51343204	InLab® Redox Au	x				
	51343205	InLab® Redox Ag	51343205	InLab® Redox Ag	x				
	59904377	RedCap PT805-S7/120	59904377	InLab® Redox Pt805	x		x		
	59904391	RedCap Ag805-S7/120	59904391	InLab® Redox Ag805	x		x		
	59904408	RedCap Ag850-S7/120	59904408	InLab® Redox Ag850	x		x		
Conductivity Sensors	30014092	InLab® 731-ISM	30014092	InLab® 731-ISM	x				
	30014093	InLab® 731-ISM-2m	30014093	InLab® 731-ISM-2m	x				
	30014094	InLab® 741-ISM	30014094	InLab® 741-ISM	x				
	30014097	InLab® Trace	30014097	InLab® Trace	x				
	30014160	InLab® 725	30014160	InLab® 725	x				
	51302255	InLab® 720	51302255	InLab® 720	x				
	51302256	InLab® 710	51302256	InLab® 710	x				
	51344020	InLab® 731	51344020	InLab® 731	x				

	OLD		NEW		Change in design	Change in specifications	New name	Completely new product	New item number
	Order no.	Product name	Order no.	Product name					
Conductivity Sensors	51344022	InLab® 731-2m	51344022	InLab® 731-2m	x				
	51344024	InLab® 741	51344024	InLab® 741	x				
	51344026	InLab® 741-m	51344026	InLab® 741-m	x				
	51344030	InLab® 751-4mm	51344030	InLab® 751-4mm	x				
	51344031	InLab® 752-6mm	51344031	InLab® 752-6mm	x				
	51344110	InLab® 738-ISM	51344110	InLab® 738-ISM	x				
	51344112	InLab® 738-ISM-5m	51344112	InLab® 738-ISM-5m	x				
	51344114	InLab® 738-ISM-10m	51344114	InLab® 738-ISM-10m	x				
	51344116	InLab® 742 ISM	51344116	InLab® 742 ISM	x				
	51344118	InLab® 742 ISM-5m	51344118	InLab® 742 ISM-5m	x				
	51344120	InLab® 738	51344120	InLab® 738	x				
	51344122	InLab® 738-5m	51344122	InLab® 738-5m	x				
	51344124	InLab® 738-10m	51344124	InLab® 738-10m	x				
	51344126	InLab® 742	51344126	InLab® 742	x				
	51344128	InLab® 742-5m	51344128	InLab® 742-5m	x				
Ion-Selective Electrodes	51344724	perfectION™ combined Natrium electrode with S7 head	51344724	perfectION™ combined Natrium electrode with S7 head	x				
	51340263	DX223-Na ISE half-cell electrode	51340263	DX223-Na ISE half-cell electrode	x				

	OLD		NEW		Change in design	Change in specifications	New name	Completely new product	New item number
	Order no.	Product name	Order no.	Product name					
Cables	-	-	30281918	InLab® cable S7-BNC IP67 1.2m				x	
	52300009	BNC and cinch connector, 1.2 m cable	30281896	InLab® cable MultiPin-BNC/RCA 1.2m	x				x
	51344291	ISM cable Multipin-BNC/RCA-ISM-2m	30281897	InLab® cable MultiPin-BNC/RCA 3m	x				x
	51344292	ISM cable Multipin-BNC/RCA-ISM-5m	30281898	InLab® cable MultiPin-BNC/RCA 5m	x				x
	52300011	BNC and 4mm connector, 1.2 m cable	30281899	InLab® cable MultiPin-BNC/4mm 1.2m	x				x
	52300007	DIN and cinch connector, 1.2 m cable	30281910	InLab® cable MultiPin-DIN/RCA 1.2m	x				x
	52300005	DIN and 4mm connector, 1.2 m cable	30281911	InLab® cable MultiPin-DIN/4mm 1.2m	x				x
	59902371	Lemo 00/2*4mm (Metrohm) 1.2 m cable	30281912	InLab® cable MultiPin-Lemo 00/2*4mm 1.2m	x				x
	30209921	ISM cable Multipin-BNC/RCA-ISM-2m IP67	30281913	InLab® cable MultiPin-BNC/RCA 1.8m IP67	x				x
	52300004	BNC connector cable 1.2m	30281915	InLab® cable S7-BNC 1.2m	x				x
	59902417	S7 - BNC, 3m	30281916	InLab® cable S7-BNC 3m	x				x
	59902427	S7 - BNC, 5m	30281917	InLab® cable S7-BNC 5m	x				x
	52300001	DIN connector cable 1.2m	30281919	InLab® cable S7-DIN 1.2m	x				x
	59902408	S7 - DIN, 3m	30281920	InLab® cable S7-DIN 3m	x				x
	59902425	S7 - DIN, 5m	30281921	InLab® cable S7-DIN 5m	x				x
	52300015	4 mm banana plug, 1.2 m cable	30281922	InLab® cable S7-4mm 1.2m	x				x
	52300016	2mm banana plug, 1.2m cable	30281923	InLab® cable S7-2mm 1.2m	x				x
	51343314	RCA (Cinch), 1.2m cable; for InLab® NTC30kΩ temperature probe 51343310	30281924	InLab® cable S7-RCA 1.2m	x				x
	59902398	S7 - Lemo 00 (Metrohm), 1m	30281925	InLab® cable S7-Lemo 00 1.2m	x				x
	59902414	S7 - no connector, 3m	30281926	InLab® cable S7-no connector 3m	x				x
	52300002	No connector, 5m cable	30281927	InLab® cable S7-no connector 5m	x				x
	59902431	S7 - no connector, 10m	30281928	InLab® cable S7-no connector 10m	x				x

	OLD		NEW		Change in design	Change in specifications	New name	Completely new product	New item number
	Order no.	Product name	Order no.	Product name					
Accessories	-	-	30247853	Knick adapter				x	
	51343315	SafeLock (5 pieces)	30248827	SafeLock blue (5 pcs.)		x			
	51343315	SafeLock (5 pieces)	30248829	SafeLock white (5 pcs.)		x			
	51340020	Wetting caps 12 mm	30243851	Wetting cap InLab 12 mm		x			

Phased-out

Order no.	Phased-out	Order no.	Replacement (*)
30014095	Set Routine Pro-ISM + cabel BNC/RCA	51344055	InLab® Routine Pro-ISM and 30281896 InLab cable MultiPin-BNC/RCA 1.2m
51302205	ISFET InLab® 490 IP67 2m (MI129)	-	-
51302305	InLab® 490	-	-
51340262	RedCap HA405-60-M8-S7/400	30248120	InLab® Reach-425 (shaft length: 425mm, shaft diameter: 12 mm)
51340270	6030-M3/180/1m/BNC	59904572	InLab® NMR (no fixed cable, shaft length 200 mm; 30281915 InLab cable S7-BNC 1.2m)
51340289	InLab® 413 SG / 10m	51344104	InLab® Expert Go-10m (with ISM)
51340297	InLab® 413 SG / 5m	51344103	InLab® Expert Go-5m (with ISM)
51343012	InLab® Easy DIN	51343010	InLab® Easy with separate cable (30281919 InLab cable S7-DIN 1.2m)
51343013	InLab® Easy BNC-3m	51343010	InLab® Easy with separate cable (30281916 InLab cable S7-BNC 3m)
51343015	InLab® Easy Pt1000	51343056	InLab® Routine Pt1000 (Shaft material: glass, Conector: MultiPin, Reference Electrolyte: 3 mol/L KCl) or 51343105 InLab Expert Pt1000 (Shaft material Peek, Connector: MultiPin, Reference electrolyte: XEROLYT)
51343020	InLab® Basics BNC	51343050	InLab® Routine and separate cable (30281915 InLab cable S7-BNC 1.2m)
51343021	InLab® Basics DIN	51343050	InLab® Routine and separate cable (30281919 InLab cable S7-DIN 1.2m)
51343023	InLab® Basics Pt1000	51343056	InLab® Routine Pt1000 and separate cable (30281911 InLab cable MultiPin-DIN/4mm 1.2m)
51343030	InLab® Versatile	51343010	InLab® Easy (reference electrolyte: gel, Connector: S7) or 51343050 InLab Routine (shaft material: glass, Conector: S7)
51343051	Set Routine + Kabel DIN	51343050	InLab® Routine and separate cable (30281919 InLab cable S7-DIN 1.2m)
51343052	Set Routine + Kabel BNC	51343050	InLab® Routine and separate cable (30281915 InLab cable S7-BNC 1.2m)
51343053	InLab® Routine-L	51343050	InLab® Routine (shaft length: 120 mm) or 30244733 InLab Reach-225 (shaft length: 225 mm)
51343055	Set Routine Pro + Kabel BNC/RCA	51343054	InLab® Routine Pro and 30281896 InLab cable MultiPin-BNC/RCA 1.2m
51343057	InLab® Routine Pro-L	51343056	InLab® Routine-Pt1000 (shaft length: 120 mm) or InLab Reach-Pt1000-225 (shaft length: 225 mm)
51343060	InLab® Reach	30244733	InLab® Reach-225 (shaft length: 225 mm) or 30248120 InLab Reach-425 (shaft length: 425 mm)
51343071	InLab® Science Pro	51344072	InLab® Science Pro-ISM (with ISM)
51343111	InLab® Power Pro	51344211	InLab® Power Pro-ISM (with ISM)
51343154	InLab® Solids Pro	51344155	InLab® Solids Pro-ISM (with ISM)
51343162	InLab® Micro Pro	51344163	InLab® Micro Pro-ISM (with ISM)
51343163	InLab® Ultra-Micro	30244732	InLab® Ultra-Micro ISM (MultiPin connector and with ISM)
51343171	InLab® Pure Pro	51344172	InLab® Pure Pro-ISM (with ISM)
51343197	InLab® Mono Bridge	51343195	InLab® Mono or 51343196 InLab Mono Plus
52000386	Elektrode InLab® 1003	51343056	InLab® Routine Pt1000 with separate cable (Shaft length: 120 mm) or new InLab Reach-Pt1000-225 with separate cable (shaft length: 225 mm)
52000497	Elektrode InLab® 1010	51343105	InLab® Expert DIN (51343103) and optional: 30247853 Knick adapter (for Portamess meters)
52000498	Elektrode InLab® 1011	51343056	InLab® Routine Pt1000 with separate cable (30281911 InLab cable MultiPin-DIN/4mm 1.2m) and 30247853 Knick adapter
59902785	373-M3-NS/65/1M/-27.4	51343160	Combined pH electrode: InLab® Micro
59902985	RedCap 403-34-S7/165	51343157	InLab® Surface (various differences)
59902993	pH Elektrode RedCap LoT403-M8-S7/120	51343157	InLab® Surface (various differences)
59903182	HA405-EQ-S7/120	51343050	InLab® Routine
59902985	RedCap 403-34-S7/165	51343157	InLab® Surface (various differences)

Phased-out

Order no.	Phased-out	Order no.	Replacement (*)
59902993	pH Elektrode RedCap LoT403-M8-S7/120	51343157	InLab® Surface (various differences)
59903182	HA405-EQ-S7/120	51343050	InLab® Routine
59903471	U456-KN-S7/110	-	-
59903472	U456-KN2/110/1M/-15.30	-	-
59904237	Pt4825-60-S7/120	59904377	InLab® Redox Pt805
59904381	Redox Elektr RedCap Au805-S7/120	51343204	InLab® Redox Au
59904764	RedCap HA425- 60-S7/600	30248120	30248120 InLab® Reach-425 (shaft length: 425 mm)
59905231	HA425-60-S7/400	30248120	InLab® Reach-425 (shaft length: 425 mm)
51340022	Wetting caps for sleeve junction	-	-

REMARKS

DO Sensors: No changes

LE sensors: No changes

(*) most suitable replacement. For details please check with pH Competence and Support Centre

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Subject to technical changes

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