



# 893 Professional Biodiesel Rancimat

2.893.0010

L'893 Professional Biodiesel Rancimat è un moderno sistema di analisi per la determinazione semplice e sicura della stabilità all'ossidazione del biodiesel (esteri di metile degli acidi grassi, FAME) e di miscele di biodiesel in conformità alle norme EN 14112, EN 15751 e 16568. Con 8 posizioni di misura in 2 blocchi di riscaldamento. Il display integrato indica lo stato dello strumento e di ogni singola posizione di misura. I tasti di avvio per ogni posizione di misura consentono l'avvio della misurazione sullo strumento. Il lavoro di pulizia può essere ridotto al minimo grazie a pratiche celle di reazione monouso ed accessori lavabili in lavastoviglie. Questo fa risparmiare tempo e costi e migliora notevolmente precisione e riproducibilità.

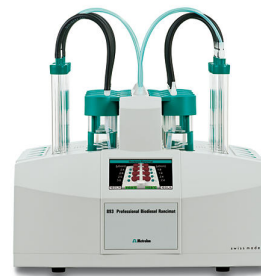
Tutti gli accessori necessari per l'esecuzione delle determinazioni sono forniti in dotazione. Per il controllo degli strumenti, la registrazione e valutazione dei dati, nonché per il salvataggio dei dati, è necessario il software StabNet.

Parti incluse 2.893.0010

Qt.	Order no.	Descrizione
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The 893 Professional Biodiesel Rancimat is an analysis system for easy and safe determination of the oxidation stability of biodiesel (fatty acid methyl ester, FAME) and biodiesel blends in accordance with EN 14112, EN 15751 and EN 16568 standards. With eight measuring positions in two heating blocks. The built-in display shows the status of the instrument and each individual measuring position. Start buttons for every measuring position enable the measurement start on the instrument. Cleaning effort can be reduced to a minimum through the use of practical disposable reaction vessels and dishwasher-safe accessories. This saves time and costs and significantly improves accuracy and reproducibility.

All accessories necessary for carrying out determinations are included in the scope of delivery. The StabNet software is required for instrument control, data recording and evaluation and for data storage.



8 PCS

6.0913.130

Measuring vessel cover for stability measuring instruments

With built-in conductometric measuring cell.



24 PCS

6.1428.030

Glass measuring vessel for stability measurements

Conductivity measuring vessel made of clear glass for stability measuring devices



1 PCS

6.1429.050

Reaction vessel long for stability measurements

Reaction vessel for stability measurements involving volatile oils, mineral oils and biodiesel blends with the Biodiesel Rancimat. In combination with 6.2418.130. Set of 100 pieces.



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8 PCS

6.1451.010

Foam barrier

Foam barrier in reaction vessels for stability measurements.



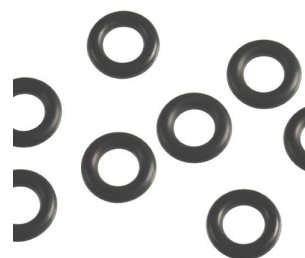
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4 PCS

6.1454.040

O-Ring

O-ring for air tube for stability measurements. Set of 8 pieces.



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1 PCS

6.1602.145

Drying flask cap

Screw cap with GL 45 thread for the 6.1608.050 drying flask.



1 PCS

6.1608.050

Drying bottle / 100 mL / GL 45



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1 PCS

6.1805.010

FEP tubing / M6 / 13 cm

With light and kink protection.



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10 PCS

6.1805.080

FEP tubing / M6 / 25 cm

With light and kink protection.



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1 PCS

6.1808.020

Tubing adapter olive / M6 inner

1 M6 inner thread and 1 tubing nozzle. Part of the screw connections for Exchange Units and stability measuring instruments.



16 PCS

6.1808.050

Tubing adapter olive / M8 outer

1 M8 outer thread and 1 tubing olive. E.g. for thermostat jacket of exchange units and stability measuring instruments.



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8 PCS

6.1808.090

Thread adapter M8 outer / M6 inner

Outer thread M8, inner thread M6, e.g. for mounting 6.2418.XXX Air tubes in 6.1429.XXX Reaction vessels of stability measuring instruments.



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8 PCS

6.1819.080

Cannula for gas feeding

For stability measuring instruments.



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1 PCS

6.1821.040

Filter tube

Filter tube for 6.1608.050 Drying bottle. For Rancimats and Karl Fischer ovens.



24 PCS      6.1839.000      Iso-Versinic tubing 0.22 m

Connection tubing for stability measuring instruments for determining the oxidation stability of biodiesel.



1 PCS      6.2041.190      Holder for reaction vessels

Reaction vessel holder for stability instruments; for 8 reaction vessels.



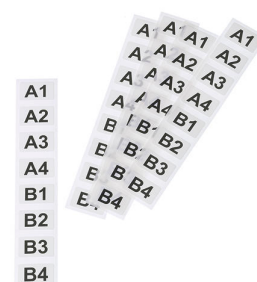
1 PCS      6.2151.130      Cable USB A - USB B / 4.5 m

USB connecting cable



1 PCS      6.2250.000      Labels laminated

Labels for measuring vessel cover for stability measuring instruments.  
Labeling: A1, A2, A3, A4, B1, B2, B3, B4. 5 sets of 8 items each.

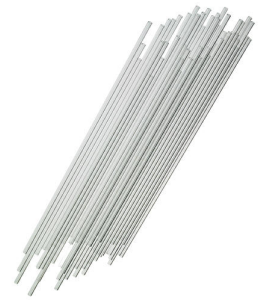


1 PCS

6.2418.130

Air tube long for biodiesel measurements

Set of 100 pieces. In combination with 6.1429.050.



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1 PCS

6.2628.000

Holder for reaction vessel

Reaction vessel holder for stability instruments; for 1 reaction vessel for weighing in the sample.



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1 PCS

6.2724.010

Dust filter

Dust filter for Rancimats and Karl Fischer ovens.



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1 PCS

6.2753.107

Reaction vessel cover for stability measurements

For 6.1429.040 or 6.1429.050 Reaction vessel. Set of 100 pieces.



1 PCS

6.2811.000

Molecular sieve

Molecular sieve. Bottle containing 250 g. Pore size: 0.3 nm. Without moisture indicator. For Rancimats and Karl Fischer instruments.



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1 PCS

6.6068.921





StabNet 2.x full Demo

Demo version for StabNet. Test version for 30 days.





## Accessori opzionali

Order no.	Descrizione	
6.1111.020	Pt100 temperature sensor for stability measuring devices  Pt100 temperature sensor (length 30.0 cm) with fixed cable and mini-DIN-plug. This glass-free temperature sensor is well suited for use with instruments for stability measurement (873 Biodiesel Rancimat and 893 Professional Biodiesel Rancimat).	
6.2059.000	Turning ring  Turning ring for the swiveling setup of stability measuring instruments.	
6.2324.010	Conductivity standard 100 $\mu\text{S}/\text{cm}$ 250 mL  Conductivity standard for calibration of conductivity measuring cells with cell constant = 0.1/cm.	
6.2326.000	Silicone oil for stability measuring instruments (50 mL)  Silicone oil for the determination of temperature correction in stability measuring instruments	

6.2753.200

Oil separator for Rancimats. Package with 8 units.

For collecting volatile sample components or reaction products during stability measurements. It is mounted on 6.1429.0x0 reaction vessels.



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6.2757.000

Air collection tube for stability measuring instruments

Including 8 stoppers.



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6.2771.000

Sleeve set conductivity stability (8x)

Sleeve set for measuring vessel cover for stability measurement devices in PP.



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6.2821.090

Aspiration filter

Pore size: 27  $\mu\text{m}$ . Set of 5 pieces. For aspiration tubing (6.1834.000) and filter tubes (6.1821.040) and (6.1821.050).



6.5616.110      Equipment for determination of temperature correction with Biodiesel Rancimats.

Set for exact temperature adjustment



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6.5706.010      Consumable Kit Biodiesel Rancimat

Assembly of important expendable items for the Biodiesel Rancimat.



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6.6068.114      StabNet 1.x Update 2.x full

Upgrade of StabNet 1.0 or 1.1 (Full) to Stabnet 2.X Full.



PC program for data handling and instrument control of stability measuring instruments. The software permits checks, data acquisition, evaluation and monitoring, as well as generating reports on stability measurements.



Graphical user interface for routine operations, extensive database programs, method development, system configuration, very flexible user administration, extensive data export functions, individually configurable report generator.

StabNet Full complies with the directives according to FDA 21 CFR Part 11.

Dialog languages: German, English

The following instruments are supported:

- 892 Professional Rancimat
- 893 Professional Biodiesel Rancimat
- 895 Professional PVC Thermomat

1 license for max. 4 stability measuring instruments on one PC.

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