

Reference: BS130.502C  
**AUTOMATIC SAMPLE APPLICATOR  
AS30+BS35**

Fully-automatic sample spotter for  
HPTLC analysis

- Spray-on technique: high accuracy and perfectly reproducible sample deposits**
- Fully automated sample application**
- Analysis of up to 80 samples**
- Automatic cleaning of the system**
- Validatable and reliable**
- Minimum operating mistakes**
- Small footprint**
- Very Silent System**
- Incl. software for controlling AS30/BS35 and transferring data to Densitometer CD60**
- For any TLC/HPTLC plates up to 200 x 200 mm**



The association of the BS35 auto-sampler with the AS30 HPTLC applicator offers a set of fully automated sample depositions on TLC plates.

The 2 devices are arranged on and under an acrylic glass rack forming a space-saving unit. A PTFE capillary ensures the connection between the AS30 and the BS35 over a very short distance.

With the HPTLC-Applicator AS30, samples are sprayed onto TLC/HPTLC plates with compressed air flow without contacting the plates. The sample application is carried out automatically, only filling up to 80 vials, the Autosampler BS35 is doing the rest. This is remarkable and time-saving especially when having a high sample-throughput.

The benefit of the spray-on technique for quantitative analysis is the possibility of applying different volumes of same calibration standard instead of equal volumes of different standard concentrations. Even if samples are dissolved in polar solvents such as water, compact and narrow bands are formed.

The special cover with active exhaustion of the aerosols offers for more safety and a clean working atmosphere in the laboratory.

## TECHNICAL SPECIFICATIONS

### Applicator AS30

Plate size:	Up to 200 x 200 mm
Path length:	0 - 100 mm in steps of 0.1 mm
Application rate:	3 - 120 s/μL
Resolution:	2000 steps/μL
Turret movement:	40 mm/s, 13 steps/mm
Necessary air pressure:	2.5 - 10 bar
Dimensions (W x D x H):	500 x 380 x 180 mm
Weight:	12 kg

### Autosampler BS35

Rack For 80 samples of 1.5 mL
Septum piercing By dual needle design
Dimensions (W x D x H) 478 x 310 x 210 mm
Weight 14 kg

## REFERENCES FOR ORDER

Reference	Description
BS130.500C	AS 30+BS35, HPTLC fully-automatic applicator, 230 V, 10 μl/25 μl syringes, incl. Cover, Exhaust hose, acrylic rack and Software
BS130.500.1C	AS 30+BS35, HPTLC fully-automatic applicator, 230 V, 100 μl/250 μl syringes, incl. Cover, Exhaust hose, acrylic rack and Software
BS130.501C	AS 30+BS35, HPTLC fully-automatic applicator, 110 V, 10 μl/25 μl syringes, incl. Cover, Exhaust hose, acrylic rack and Software
BS130.501.1C	AS 30+BS35, HPTLC fully-automatic applicator, 110 V, 100 μl/250 μl syringes, incl. Cover, Exhaust hose, acrylic rack and software
BS130.540	Air Compressor, 230 V, extremely silent
BS130.541	Air Compressor, 110 V, extremely silent
BS130.525	Documents: IQ/OQ for semi-automatic applicator AS30
BS130.580	Filter cardboard 40 x 40, 1 pack of 25 pieces
BS130.585	Activated carbon filter for AS30 protection cover, 1 pack of 5 pieces

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