

Agence Nord:
ZA Object'ifs Sud - Lot A3
6 Allée Emilie du Châtelet
14123 Ifs
tél : 02.31.34.50.74
fax : 02.31.34.55.17



Agence Est:
Parc Club des Tanneries
2 Rue de la Faisanderie
67380 Lingolsheim
tél : 03.88.04.01.81
fax : 03.68.93.01.52

Agence Sud:
Bât Le Venango, 392 Rue Jean Dausset
AGROPARC - BP11575
84916 Avignon Cédex 9
tél : 04.90.27.17.95 fax : 04.90.27.17.52

www.deltalabo.fr
info@deltalabo.fr

Automatic Softening Point Tester *asp-6*

- Ergonomically color-coordinated display for high visibility and intuitive switch operation.
- Enhanced versatility including Ethernet for LIMS, USB port for flash memory or keyboard. Password protection and data storage (max.200 results).
- All-in-one chassis design: compact, lightweight and premium.

Intelligent full-auto Operation

asp-6 automates the softening point test by ring-and-ball method for bitumen or similar substances, prescribed in ASTM D36, ASTM E28, EN 1427 and IP 58. The theme of the 6th generation model is "Ergonomic, Versatile and Premium. A photo-electric device with wide light beam is employed to assure a reliable automatic detection of softening point.



Easy operation

Just set up the specimen, choose the bath liquid type, and press the START key; all the rest of the test procedures such as heating, softening point detection, and heater cooling are performed automatically.

Reliable falling detection

Thanks to the wide light projector and wide light receiver, asp-6 detects ball even if the ball falls with some angle.

Data handling

asp-6 can store up to 200 test results and export to an optional printer or to a LIMS through RS232 /Ethernet port.

Specifications

Automatic Softening Point Tester *asp-6*

Test methods	ASTM D36, ASTM E28, EN 1427, IP 58, etc		
Type	Two-rings & two-balls		
Measuring range	Ambient to 200 °C (392 °F)		
Temperature sensor	PT-100 in stainless steel sheath		
Softening point detector	Light projector : LED Light receiver : photo-diode		
Display	5.7 inch color LCD with back light		
Heater	Nichrome coil heater : 1,000 W @100V or 1,000W @220V		
Sequense control	By an on-board microcomputer		
Test mode	ASTM D36 water, ASTM D36 glycerin, EN 1427 water, EN 1427 glycerin		
Stirring	Magnetic stirring, selectable from 0 to 300 rpm		
I/O Port	Ethernet x 1 for LIMS USB x 1 for Flash Memory or Keyboard RS-232C x 1 for LIMS / PC or Optional Printer		
Data storage	Last 200 sets of test results		
Safety mechanism	Automatically shuts off and the problem is reported by buzzer and display, in case : (a) The sample falls on only one side and not on the other within the set temperature range, (b) The sample does not fall on either side within the set upper limit temperature, (c) Light projector or receiver is found defective, (d) Temperature sensor is found defective, (e) Temperature sensor is not placed in the right position, (f) Built-in battery is found drained out, or (g) Control computer runs away (no display)		
Size (W x D x H)	230 x 470 x 440 (mm)		
Weight	15 kg		
Installation site	RT : 10 to 40 °C, RH: Less than 90% (no condensation)		
Power supply	1,500 VA(max)		
Ordering Information	Code No.	Part Name	Qty
Standard accessories	1. ASP-02-005	Ring holder and bottom plate assembly	1 pc
	2. ASP-02-411	Shouldered ring	6 pcs
	3. ASP-02-414	Ball, 3/8in.	6 pcs
	4. ASP-02-413	Ball centering guide	2 pcs
	5. 010-00-231	Beaker	1 pc
	6. ASP-02-420	Beaker hanle	1 pc
	7. 520-00-241	Temperature sensor rest	1 pc
	8. ASP-04-042	Temperature sensor assy	1 pc
	9. MPC-02-032	AC power cord 100 / 120 V 3.0 m	or 1 pc
	10. MPC-02-033	AC power cord 220 / 240 V 2.5 m	
	11. ASP-04-416	Stirrer	1 pc
	12.	Instruction manual	1 copy
Opional accessories	Printer, BS2-80TS w / connecting cable, Mini USB keyboard		
Suggested spares	Code No.	Part Name	Qty
	1. ASP-02-005	Ring holder and bottom plate assembly	1 pc
	2. 100-00-003	Heater coil 100/120 V 1,000 W	1 pc
	3. 100-00-015	Heater coil 200/240 V 1,000 W	1 pc
	4. 030-00-303	Light receiver board	1 pc
	5. ASP-04-042	Temperature sensor assy	1 pc
	6. ASP-02-411	Shouldered ring	20 pcs
	7. ASP-02-414	Ball, 3/8in.	20 pcs
	8. ASP-02-413	Ball centering guide	2 pc
	9. 010-00-231	Beaker	1 pc
	10. ASP-02-420	Beaker handle	1 pc

Specifications subject to change without prior notice. 201904P