TANAKA

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.

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Specifications

ASTM D36, ASTM E28, EN 1427, IP 58, etc Two-rings & two-balls	
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Ambient to 200°C (392 °F)	
PT-100 in stainless steel sheath	
Light projector : LED Light receiver : photo-diode	
5.7 inch color LCD with back light	
Nichrome coil heater : 1,000 W @100V or 1,000W @220V	
By an on-board microcomputer	
ASTM D36 water, ASTM D36 glycerin, EN 1427 water, EN 1427 glycerin	
Magnetic stirring, selectable from 0 to 250 rpm	
Ethernet x 1 for LIMS USB x 1 for Flash Memory or Keyboard RS-232C x 1 for LIMS / PC or Optional Printer	
Last 200 sets of test results	
Automatically shuts off and the problem is reported by buzz (a) The sample falls on only one side and not on the other v (b) The sample does not fall on either side within the set up (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)	vithin the set temperature range,
230 x 470 x 440 (mm)	
15 kg	
RT : 10 to 40 $^\circ\text{C}$, RH: Less than 90% (no condensation)	
AC100 / 120 V or 220 / 240 V 50 / 60 Hz (set at the factory, specify when ordering) 1,500 W (max.)	
 Ring holder and bottom plate assembly Shouldered ring Ball, 3/8in. Ball centering guide Beaker Beaker handle Temperature sensor assy Temperature sensor holder AC power cord, 3.0m (<ac125v) (="" 2.5m="" or="">AC200V)</ac125v)> Instruction manual 	1 pc 6 pcs 6 pcs 2 pcs 1 pc 1 pc 1 pc 1 pc 1 pc 1 copy
Printer, BS2-80TS w / connecting cable, Mini USB keyboard	
 Ring holder and bottom plate assembly Nichrome heater coil 1,000 W @100 V or 1,000 W @220 V Light receiver assy Temperature sensor assy Shouldered ring 	1 pc 1 pcs 1 pcs 1 pcs 20 pcs
	PT-100 in stainless steel sheath Light projector : LED Light receiver : photo-diode 5.7 inch color LCD with back light Nichrome coil heater : 1,000 W @100V or 1,000W @220V By an on-board microcomputer ASTM D36 water, ASTM D36 glycerin, EN 1427 water, EN 1427 Magnetic stirring, selectable from 0 to 250 rpm Ethernet x 1 for LIMS USB x 1 for Flash Memory or Keyboard RS-232C x 1 for LIMS / PC or Optional Printer Last 200 sets of test results Automatically shuts off and the problem is reported by buzz (a) The sample falls on only one side and not on the other w (b) The sample does not fall on either side within the set up (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) 230 x 470 x 440 (mm) 15 kg RT : 10 to 40 °C, RH: Less than 90% (no condensation) AC100 / 120 V or 220 / 240 V 50 / 60 Hz (set at the factory, sp 1. Ring holder and bottom plate assembly 2. Shouldered ring 3. Ball, 3/8in. 4. Ball centering guide 5. Beaker 6. Beaker handle 7. Temperature sensor assy 8. Temperature sensor holder 9. AC power cord, 3.0m (<ac125v) (="" 2.5m="" or="">AC200V) 10. Instruction manual Printer, BS2-80TS w / connecting cable, Mini USB keyboard 1. Ring holder and bottom plate assembly 2. Nichrome heater coil 1,000 W @100 V or 1,000 W @220 V 3. Light receiver assy</ac125v)>

Specifications subject to change without prior notice.

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