

AUTOMATIC STRESS CRACKING TESTER

STCR-7000



The STCR-7000 stress cracking test equipment for PET containers allows to simulate and maximize the characteristics and real conditions that PET containers may experience during their useful life by exposing them to sodium hydroxide, also, by holding them under a certain continuous internal pressure, the STCR-7000 analyzes the behavior of the containers to determine if they comply or not with the characteristics and / or quality standards that are required.

TEST MODE

The test mode offered by the STCR-7000 allows the user to set the pressure and time parameters to which the sample will be subjected.

- Test pressure: is the maximum pressure value that will be supplied to the sample during the test.
- Test time: is the time interval in which the equipment will maintain the "test pressure"

INTERFACE FEATURES

- Touch screen
- Main menu for easy access to the different functions
- Results represented in graphs in real time
- Friendly navigation within the internal software menu

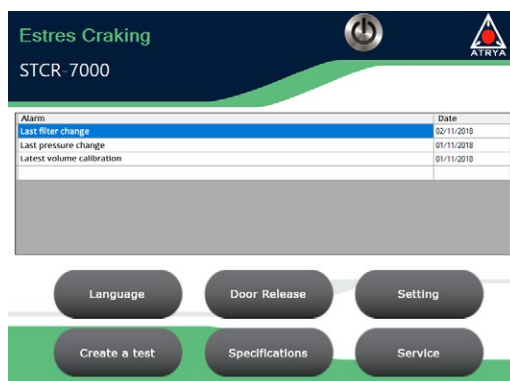


Figure 1. Main menu

OVERALL DIMENSIONS

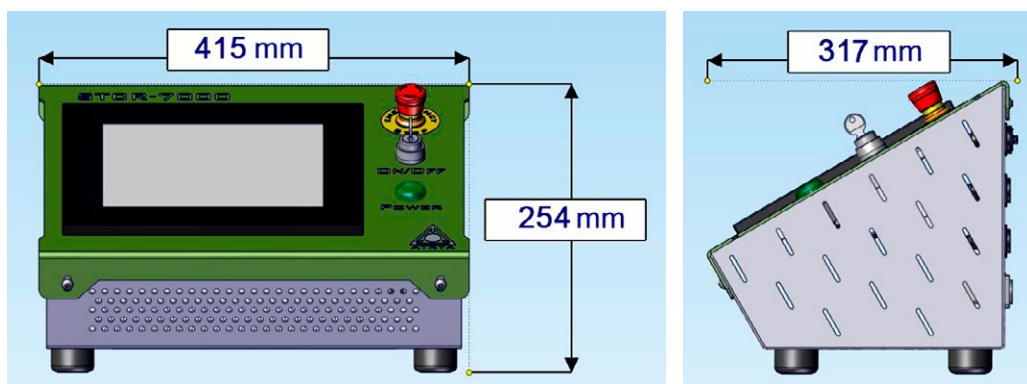


Figure 2. Command Control Overall Dimensions



Figure 3. Overall Dimensions StCr-7000

| Chart 1. Technical data | |
|-------------------------------------|---|
| Test mode | Customized |
| Dimensions (Length x Width x Depth) | |
| Control Command | 415 x 317 x 254 mm (16.34 x 12.47 x 9.99 in) |
| Six Station Module | 1330 x 690 x 1095 mm (52.36 x 27.17 x 43.11 in) |
| Approximate weight | |
| Control Command | 10 kg (22.05 lb) |
| Six Stations Module | 200 kg (440.93 lb) |
| Maximum Test Pressure | 80 psi (552 KPa) |
| Maximum Sample Capacity | 3.785 l |
| Maximum Sample Dimentions | Ø150 x 390 mm of height (Ø 5.90 x 15.35 in) |
| Power Supply | 110-220 V C.A. / 50-60 Hz |
| Power per module | 300 W |
| Air Supply | 20 microns Recommended filter (minimum 60 microns) Maximum flow 26.4 SCFM (748 l/m) |
| Air Supply Pressure | 110 psi Min (758.4 KPa) 140 psi Max (965.2 KPa) |
| Water Supply | Concentration no greater than 0.5 ppm of dissolved sales Recommended flow 0.44 SCFM (12.5 l/min) |
| Water Supply Pressure | 30 psi (206.8 kPa) Min 60 psi (413.6 kPa) Max |
| Connection to Water Supply | 3/8" NPT Female |
| Connection to Air Supply | 1/4" NPT Female |
| Drain Connection | Ø 1 ½" |

| | |
|-------------------------------|---|
| Interface | Touch Screen Computer |
| Communication Port | RS-232 Female Conector |
| Communication Port | Ethernet (optional) |
| Pressure Measurement Accuracy | ± 2 psi (± 13.78 KPa) |
| Pressure Resolution | 1 psi (6.89 KPa) |
| Time Resolution | 1 s |
| Neckbottle diameter | 22 ØMin-36 ØMax (mm) / 0.87 ØMin - 1.42 ØMax (in) |
| Room Temperature | 15 - 50 °C (59 - 122 °F) |
| Humidity | 20 - 80% |
| Storage | 10 - 60 °C (50 - 140 °F) |

Chart 2. Complementary Accessories and Devices

| | | | |
|--|-----------|---|---|
| Modular Table with Drawers for Three-Sample Module | SC-7S01 | Base made of stainless steel to place each module at the recommended height, it has drawers in the lower part to optimize spaces, allowing to store reagents or products that the client requires |  |
| Modular Table with Drawers for Six-Sample Module | SC-7S02 | | |
| Support for Control Command | SC-7S03 | Floor support to place the control knob made of 304 stainless steel. | |
| Extra Module for Three Samples | StCr-7003 | The command center is capable of controlling up to six modules, order the number of modules you need. Maximum six per command center. |  |
| Extra Module for Six Samples | StCr-7006 | | |
| Pressure Gauge Nozzle | BR-7001 | Accessory to prepare the standard manometer and adjust with the heads of the StCr-7000 equipment. |  |

STCR-7000 MODELS

The STCR-7000 equipment allows to include additional modules for three and six samples, depending on the capacity of the equipment the model can change, the STCR-7003 equipment has a capacity for three samples as the equipment for six samples is the STCR-7006.