

STCS - BLT

Ref: 14-03-0006

Shrinking Tube Control System

The STCS-BLT is a manually operated pneumatic device, intended to be used as a convenient "in-process" sampling technique for testing sealed splices.

It has a built-in current leakage detection system that detects splice's insulation resistance.

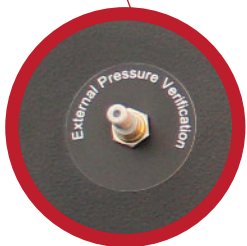
It can be supplied with special shrinking chambers for big cross-section cables.



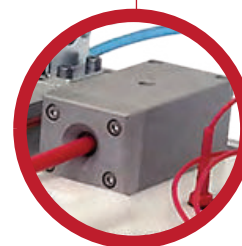
Real time automatic pressure test adjustment without the need of manual regulation



Built-in current leakage detection system, using a megohmmeter device that measures the electrical resistance of the splice



External pressure test verification



Option of using special chambers, mechanically compatible with normal chambers, to test big cross-section cables

TECHNICAL CHARACTERISTICS

DIMENSIONS

Length	525 [mm]
Width	561 [mm]
Height	345 [mm]
Weight	30 [kg]

CHAMBERS

Length	26,75 [mm]
Width	30 [mm]
Splice	Max: $\varnothing 6,5$ [mm] Max. Cross Section: 10 [mm ²]

POWER SUPPLY/CONSUPTION

Supply	24 VDC
Working Consumption	1 A

PNEUMATIC

Supply	Quick Hold Socket $\varnothing 8$ [mm]
Supply Pressure	Max: 8bar
Pressure Test	Min: 0,5bar; Max: 2bar

CONNECTIONS

Power Line	DC Socket 2,1 [mm] (EC8)
Programming	Membrane Keyboard

- ▲ Automatic air pressure adjustment;
- ▲ Selection of which chambers receive test pressure, for air economy;
- ▲ Configurable test time and test pressure;
- ▲ Built-in current leakage detection system to measure electrical resistance, using a megohmmeter;
- ▲ Leakage failure detection when resistance under 1×10^8 ohm;
- ▲ Bubble and leakage test counter;
- ▲ Manual internal pneumatic calibration;
- ▲ Password protected menu;
- ▲ Error lock (password protected);
- ▲ Pneumatic inlet failure detection;
- ▲ Interchangeable system language, including: English, Portuguese, French and Spanish (others on demand);
- ▲ Minimal skills required for operating with the machine;
- ▲ Use of special chambers for big cross-section cables.

OPERATION

The STCS-BLT is a manually operated pneumatic device, intended to be used as a convenient 'in-process' sampling technique for checking sealed splices.

Different combinations of in-line or stub splices can be pressure tested in any of the combination of fixtures (8 in total).

The splices products are placed in clamps. The product is immersed in water and pressure is delivered down the wire(s) to the sealed area. The user can select which chambers receive pressure and define the test time.

Test pressure and test time are defined in the software. The operator only needs to press the start button. The test result is determined visually by looking for bubbles in the area of the sealed product.

This equipment can also check leakage and insulation resistance of the splice, by detecting the current leakage on the water. If it occurs, a warning LED will be lighted.

OPTIONS



Special Chamber
Ref: 06-01-0127