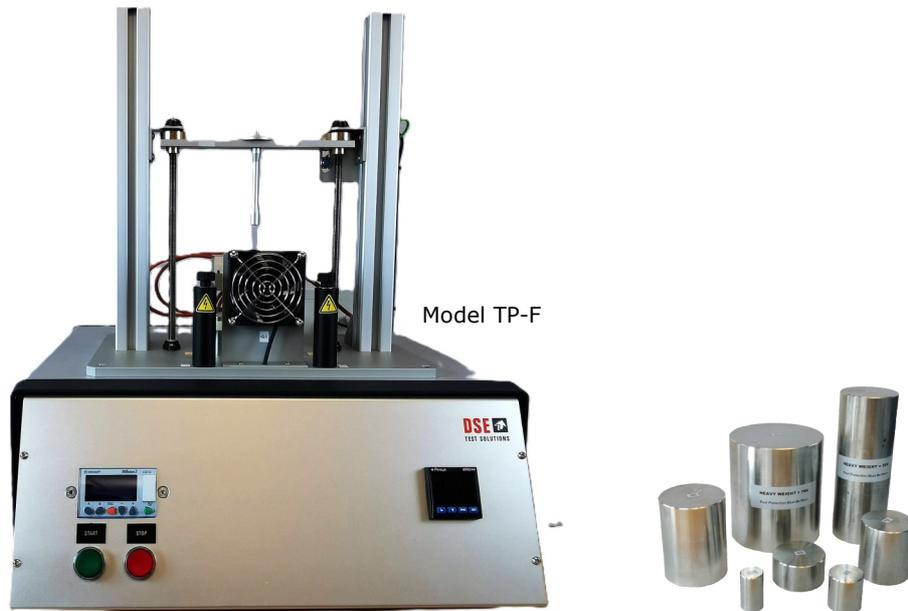


# Thermal Cut-through Tester

## Model TP-F



## Test procedure

Two straight pieces of wire shall be inserted into the metal block, crossing each other at right angles, and the metal block will be pre-heated at the temperature specified in the relevant standard. The temperature shall be measured as close to the crossing point and shall not vary by more than  $\pm 3^{\circ}\text{C}$  from the specified value. The central point shall lie centrally under the piston. In the case of wire of a nominal conductor diameter of less than 0.200 mm, two straight pieces of wire shall be placed in parallel, side by side, and a third one shall be placed at a right angle across the first two with the crossing points arranged symmetrically to the axis of the piston. After a heating period, a specified load shall be applied using the piston. Immediately thereafter, the test voltage was applied between the lower and upper pieces of wire. When two lower pieces are used, they shall be connected. The load and the test voltage shall be applied for 2 minutes.

Three tests must be made. Any failure must be reported.

## System description

- Complete set of weights (IEC Standard)
- Automatic loading/unloading of test weight
- Suitable for wire diameter range from 0.10 up to 1.60 mm (38 – 14 AWG)
- Digital temperature controller, resolution 0.1°C, accuracy > 0.2%
- Preheating and test time independently programmable from 1" up to 9999"
- Maximum test block temperature 500°C
- Visible and acoustic signalling to indicate the test results

## Specifications

<b>Model</b>	<b>TP-F</b>
TP-F	
<b>Dimensions</b>	
Dimensions (WxDxH)	520x700x630 mm
Weight including weights	33 kg / 72.7 lb
<b>Power supply</b>	
Volt	230 V
Hertz	50/60 Single phase
Volt-amperes	1300
<b>Options</b>	
BLK1	Test block suitable for wire diameter from 1.60 mm up to 5.00 mm
BLK2	Test block suitable for strip up to 25,0 x 6.0 mm
<b>Standards</b>	
IEC	60851-6.4 (wire crossing method)