

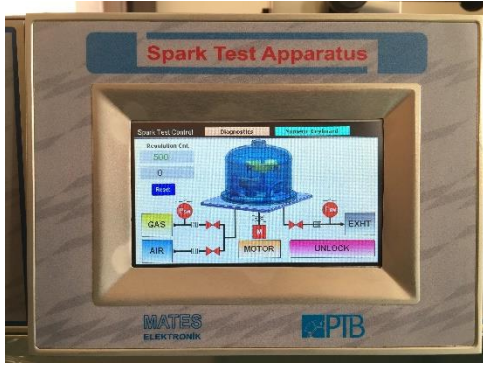
Spark Test Apparatus has been designed by PTB (National Metrology Institute of Germany) and MATEŞ ELEKTRONİK in accordance to standard IEC 60079-11. Production of the equipment is performed by MATEŞ ELEKTRONİK as a licensed manufacturer of PTB.



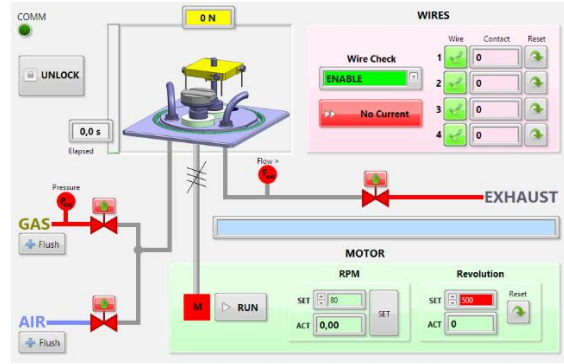
STA is equipped with the highest quality materials, and a touchscreen user interface is specifically developed for the tests defined in the standard. Every component in the equipment is intended for long term and trouble free use. STA is equipped with a 4.3" Color Touchscreen for easier control, and a PC software is supplied covering all functionalities of the equipment automatic testing.

Gas flow, gas pressure, explosion pressure, motor speed, wire conditions and several other quantities that may affect the test are measured by the equipment and required notifications are made on the front panel.

The explosion chamber is made of stainless steel, explosion detection is made by a pressure sensor. As soon as a pressure change is detected, the STA stops and displays the number of revolutions until ignition.



Touchscreen Display



PC Software

## Specifications

<b>Compatible Samples</b>	AC or DC Resistive / Inductive / Capacitive Circuits	<b>Contact Disc</b>	Cadmium top processed on Stainless Steel bottom
<b>Motor</b>	40 to 80RPM user adjustable step motor w/ real time RPM measurement	<b>Control</b>	Color Touchscreen or PC Software with Automatic Testing
<b>Revolution Count</b>	Count on each revolution User adjustable set point for max. rev.	<b>Self-Capacitance</b>	max. 30pF, open contacts
<b>Ignition Detection</b>	w/ Loadcell Immediate Test Stop and user reporting	<b>Self-Inductance</b>	max. 3µH, closed contacts
<b>Safety</b>	Flame Arresters on Inlets and Outlet Pressure and Flow Switches	<b>Self-Resistance</b>	max. 0.15Ω @1A DC
<b>Chamber</b>	Stainless Steel Bell Jar Mechanical Lock w/ Electromagnetic Switch	<b>Disc / Wire Holder</b>	Rotation 50:12 Ratio



**PLEASE CONTACT MATEŞ ELEKTRONİK FOR SALES INQUIRIES:**

**HEADQUARTERS :** Ostim Organize Sanayi Bölgesi, 1219.Sokak No:12 OSTİM 06374 Ankara, Turkey  
Phone: +90 312 354 6483 / +90 312 354 6493 Fax: +90 312 354 6496

**BRANCH :** ODTÜ Ostim Teknokent, Uzay Çağı Cad. 1308. Sokak No:6 Kat:1 D:16 OSTİM 06374 Ankara, Turkey  
Phone: +90 312 386 1981

**E-MAIL :** mates@mateselk.com.tr

**URL :** (English) www.mateselk.com



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