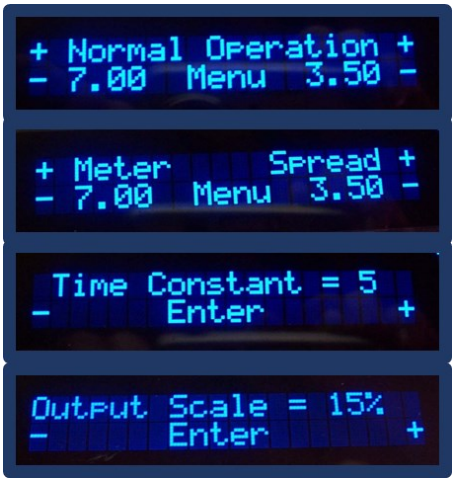
StanCo Scientific, Inc.

OCTANE TESTING INNOVATIONS

SSD7000 Detonation Meter
SSD1000 Digital Knock Meter
SSD7110 D-1 Cable Tester
SSD7100 Knock Intensity Setpoint Source
SSD3000 D-1 Pickup Tester

ASTM D2699 | ASTM D2700



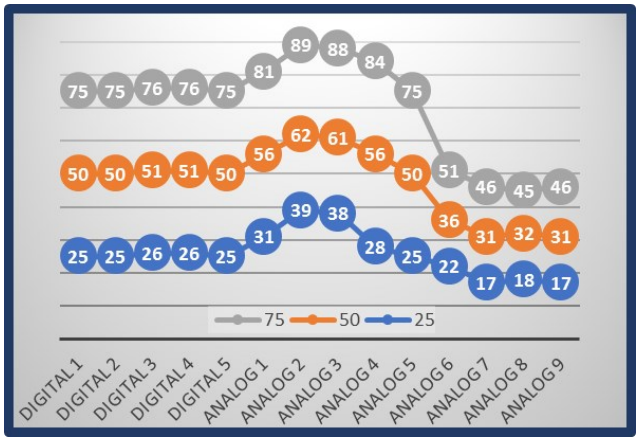
SSD7000 Detonation Meter

- Modern equivalent to 501-C
- Now within methods D2699 and D2700
- Attractive blue backlit LCD display with 7 multi-function interface
- Drop in compatibility with existing analog knock meters
- Removes need for old style power supply—uses a modern barrel style plug
- More reliable digital hardware than outdated 501-C meters
- Easily adjust meter and spread values with a touch of a button
- All the familiarity of a 501-C with modern hardware

SSD1000 Digital Knock Meter

- Digital replacement for analog knock meters
- Capable of achieving knock intensities 0-999
- Available in three colors: red, green, and yellow
- No confusion or errors when choosing what the knock intensity currently sits during operation
- Large display visible from 100 feet away
- Meters are more consistently linear than compared to analog meters
- All meters calibrated through standardized procedure

Figure 1: Digital vs Analog comparison from fixed input



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SSD7110 D-1 Cable Tester

- Battery operated combustion cable tester
- Determines if cable is working by passing a signal through the cable and determining if it is suitable for engine use
- Provides feedback about reversed leads within combustion cable
- Handheld and portable with a durable rubberized case to provide extra protection from falls

SSD3000 D-1 Pickup Tester

- Bench top tester to determine connectivity of pickups throughout a full thermal range
- Test pickups from ambient to 320 F
- Displays show internal resistance of pickup coil
- Silicone inserts to prevent signal grounding

SSD7100 KI Setpoint Source

- Handheld device to simulate the setpoint on a knock meter
- Battery operated design can be brought anywhere and easily stored
- Has built in connecting cable for quick operation
- Works with many data capture systems and its calibration procedure
- Simply turn on the SS7100 and dial up or down the required setpoint

Technical Specifications

MODEL	METHOD	APPROXIMATE SIZE	OPERATING VOLTAGE
SSD1000	ASTM D2699 & D2700	12”W x 4.5”H x 2.5”L	110V AC
SSD3000		16”W x 12”H x 13”L	110V AC
SSD7000		6.5”W x 6”H x 3.5”L	12V DC
SSD7100		3”W x 5.5”H x 2”L	9V BATTERY
SSD7110		3”W x 5.5”H x 2”L	9V BATTERY

Application Specifications

MODEL	APPLICATION
SSD1000	Digital replacement for analog knock meters of octane engines
SSD3000	Benchtop D-1 Combustion pickup internal resistance tester
SSD7000	Digital detonation meter for octane engines. Compliant in D2699/D2700
SSD7100	Knock meter setpoint unit for calibration procedures
SSD7110	Handheld device to test signal through D-1 combustion cables

Additional Services:

- Repairs of 501-C Meters
- Sales of refurbished 501-C Meters
- Conversion of 501-T Meters to 501-C
- Repairs/Evaluations of D-1 Pickups
- Sales of refurbished D-1 Pickups
- Repairs of Temperature Controllers
- Repairs of Dual Digital Cetane meters
- Repairs of D-1 combustion cables

MADE IN USA

STANCO

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