



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com

Keithley 705 System Scanning Thermometer



The Keithley 705 is a low cost IEEE compatible scanner. The basic mainframe can accommodate two plug-in scanner cards. Each card can have different pole configurations. In the 1-pole configuration the card has 20 channels, The 4-pole configuration allows 10 channels with two cards (for four-wire ohms).

Using the "daisy chain" method the Keithley 705, along with four additional Keithley 705's, can provide up to 100 2-pole channels. The time and the date are kept internally with a battery backed up clock allowing time dependent procedures to be performed. The controls on the front panel allow opening a selected channel, closing the channel, scanning between a selectable first and last channel, selectable scan rate and mode. There are 13 internal programs that are accessible from the front panel. The programs can select primary address, dwell time, store a relay set up, recall the stored relay set up, control the digital I/O port, switch from International to American date format, control interval stop/start and select 1-, 2- or 4 pole measurement modes.

The Keithley 705 Scanner adheres to standard IEEE-488 interface bus protocol. This enables the Keithley 705 to be incorporated into any measurement system that uses programmed control through the IEEE-488 bus.

 [Request Quote](#)

 [Print Page](#)

 [Email Page](#)

Features:

- IEEE-488 bus operation.
- Selectable scan rate from 10ms to 999.999sec.
- Selectable scan modes that allow the operator to scan the first channel to the last channel once, continuously or manually.
- Thirteen internal programs that are available through the front panel.
- Model 705 mainframe can accommodate two scanner plug-in cards.
- Several different scanner relay cards are available as options. They include:
 - a general purpose relay card
 - a thermocouple relay card
 - a low voltage relay card
 - a low current relay card
- Time and date are kept with a battery backed up clock.
- Digital I/O port with eight lines as inputs and eight lines as outputs.

Specifications:

- **Capacity:** Two plug-in cards per mainframe.
- **Expansion Capacity:** Daisy chain allows up to 4 SLAVE units with 1 MASTER unit.
- **Switching Rate:** 100 channels/second (10ms), programmable to 1 channel/16 minutes (999.999s).
- **Relay Drive:** 350mA minimum.
- **Internal Clock:** Displays hours/minutes/seconds or date/month; less than 1 minute/month error (typical).
- **Battery Backup:** Rechargeable 3.6V nickel-cadmium. 1 month retention of data (typical) with unit turned off.

IEEE-488 BUS IMPLEMENTATION

- **Multiline Commands:** DCL, LLO, SDC, GET, GTL, UNT, UNL, SPE, SPD.
- **Uniline Commands:** IFC, REN, EOI, SRQ, ATN.
- **Interface Functions:** SHI, AHI, T6, TEO, L4, LEO, SRI, RLI, PPO, DCI, DTI, CO, EI.
- **Programmable Parameters:** Display Mode, Output Format, EOI, SRQ, First, Last, Open, Close, Display Channel, Alternate Output, Pole Mode, Date Format, Save/Restore, Reset, I/O Port, Time, Date, Settling Time, Interval Time, Alarm Time, Program Mode, Trigger Mode, Terminator, Self Test.
- **Digital I/O Port:** A separate I/O port consisting of eight input and eight output lines as

well as common (IEEE-486) and +5VDC. Outputs will drive one TTL load. Inputs represent one TTL load. Mating connector supplied.

GENERAL

- **Storage Environment:** -25O to 65°C.
- **Connectors:** Four BNC; External Trigger, Alarm Out/Serial-In, Channel Ready, Serial Out (TTL compatible).
- **Power:** 105-125V or 210-250V (internal switch selected), 50Hz to 400Hz. 25 V*A maximum. 90-110V and 180-220V version available
- **Dimensions, Weight:** 127mm high x 216mm wide x 359mm deep (5" x 8 1/2" x 14 1/8"). Net weight 3kg (6 1/2 lbs.).
- **Display:** Six 0.5" LED digits with decimal point, function and IEEE status annunciators.
- **Operating Environment:** 0° to 50°C, 0% to 80% relative humidity up to 35oc.



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com