

Function	Ranges	Best Resolution	Best Accuracy
DC V	(5) 400mV - 1000V	10 $\mu$ V	0.08% $\pm$ 4 digits
AC V	(5) 400mV - 750V	100 $\mu$ V	0.5% $\pm$ 4 digits
Resistance	(6) 400 $\Omega$ - 40M $\Omega$	10 $\mu$ $\Omega$	0.1% $\pm$ 4 digits
DC I	(3) 4mA - 10A	0.1 $\mu$ A	0.1% $\pm$ 4 digits
AC I	(3) 1mA - 10A	1 $\mu$ A	0.1% $\pm$ 4 digits
Frequency	(2) 4kHz to 40kHz	0.1Hz	0.01% $\pm$ 1 digit

Further measurement functions: Continuity, Diode Test.  
 Smart functions: Null (Relative), Hold, T-Hold, Min/Max.  
 Interface: opto-isolated bi-directional RS-232 interface. 9600 baud.  
 Power: 230V or 115V AC nominal 50/60Hz, adjustable internally.  
 Size & weight: 260 x 88 x 235 mm (WxHxD). 2.0 kg (4.4 lb)

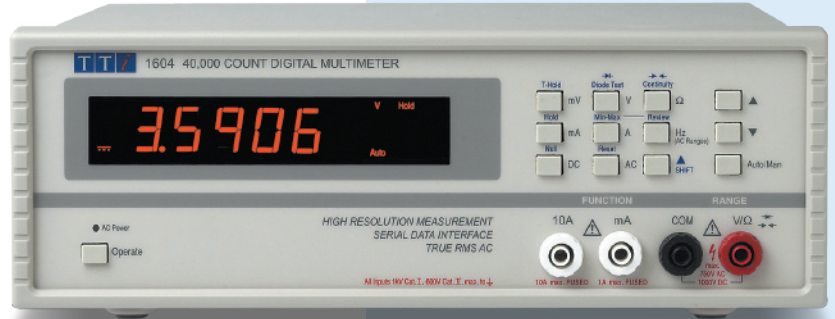
- ▶ 40,000 counts, auto or manual ranging
- ▶ Accuracy and resolution, 0.08%, 10 $\mu$ V, 10m $\Omega$
- ▶ Large and bright LED display (14mm/0.56")
- ▶ True RMS ac functions, wide ac bandwidth
- ▶ Relative, T-Hold and Min-Max functions included
- ▶ Optional PC control and logging software

The 1604 is a high quality 40,000 count bench-top multimeter with a wide range of features.

It offers automatic or manual ranging, high resolution (10 $\mu$ V, 10m $\Omega$ ) together with current measurement up to 10A.

## 1604 DMM

- ▶ 4 $\frac{3}{4}$  digit bench-top multimeter
- ▶ 0.08% basic dc-v accuracy
- ▶ True RMS ac functions
- ▶ Isolated RS-232 interface\*



Function	Ranges	Best Resolution	Best Accuracy
DC V	(5) 120mV - 1000V	10 $\mu$ V	0.04% $\pm$ 2 digits
AC V	(5) 120mV - 750V	100 $\mu$ V	0.2% $\pm$ 20 digits
Resistance	(6) 120 $\Omega$ - 20M $\Omega$	10 $\mu$ $\Omega$	0.08% $\pm$ 2 digits
DC I	(3) 1mA - 10A	0.1 $\mu$ A	0.1% $\pm$ 3 digits
AC I	(3) 1mA - 10A	0.1 $\mu$ A	0.3% $\pm$ 20 digits
Capacitance	(5) 10nF to 100nF	10pF	2% $\pm$ 5 digit

Further measurement functions: Continuity, Diode Test, Frequency  
 Smart functions: Null (Relative), Hold, T-Hold, Min/Max, dB, Ax+B, % deviation, VA.  
 Logger: 100 readings. Interfaces: RS-232 standard. GPIB (IEEE-488) optional.  
 Power: 230V or 115V AC 50/60Hz, or 6 x C cells disposable or rechargeable.  
 Size & weight: 260 x 88 x 235 mm (WxHxD). 2.0 kg (4.4 lb)

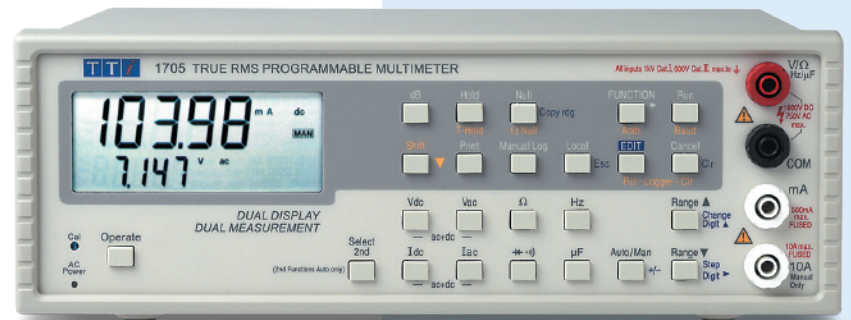
- ▶ Dual 12,000 count LCD, auto/manual ranging
- ▶ Accuracy and resolution: 0.04%, 10 $\mu$ V, 10m $\Omega$
- ▶ Dual displays & 'dual measurement' technology
- ▶ True RMS ac functions, Frequency, Capacitance
- ▶ Wide range of computing functions e.g. Ax + B
- ▶ Model with GPIB (IEEE-488) interface available
- ▶ Mains and battery operation as standard

The 1705 is a precision 4 $\frac{3}{4}$  digit bench multimeter incorporating dual displays and dual measurement technology.

The dual displays can be used either to display one measurement in two units (e.g. mV and dB) or to measure two parameters simultaneously (e.g. dc-V and ac-V).

## 1705 DMM

- ▶ Dual measurement multimeter
- ▶ 0.04% basic dc-v accuracy
- ▶ Built-in data logger
- ▶ Isolated RS-232 or GPIB
- ▶ AC line or battery operation



Digital Multimeters - Comparison Table		
	1604	1705 & 1705-GP
Display Type	LED	Dual LCD
Scale Length (Counts)	40,000	12,000
Dual Measurement	No	Yes
DC Voltage: Ranges	(5) 400mV to 1000V	(5) 120mV to 1000V
Best Resolution	10 $\mu$ V	10 $\mu$ V
Basic Accuracy	0.08%	0.04%
AC Voltage: Ranges	(5) 400mV to 750V	(5) 120mV to 750V
True RMS conversion	Yes	Yes
Frequency Response	0.08%	0.04%
DC/AC Current: Ranges	(3) 4mA to 10A	(3) 1.2mA to 10A
Best Resolution	100nA	100nA
Resistance: Ranges	(6) 400 $\Omega$ - 40M $\Omega$	(7) 120 $\Omega$ - 20M $\Omega$
Best Resolution	10 $\mu$ $\Omega$	10 $\mu$ $\Omega$
Frequency	Yes	Yes
Capacitance	No	Yes
Smart Functions	3	12
Interfaces: RS-232	Yes *	Yes
GPIB (IEEE-488)	No	Yes (GP version)
Power Source	AC Line	AC Line or Battery

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