



**3690 AUTO**



**3690P+ AUTO**



1) Above 80.0V DC & AC



2) NCV

**Orange Backlight for High Voltage Alert**

**600A DC / AC**

Auto / Manual, 3% Digit, 4000 Counts, Frequency, Data Hold, Audible Continuity, Diode Test,  $\Delta$  Zero Button (for DCA)

**Ranges**

<b>DC Current</b>	400A, 600A
Accuracy	$\pm(1.5\%rdg + 5dgt)$ for 400A $\pm(2\%rdg + 5dgt)$ for 600A
Overload	600A DC max. for 1 min.
<b>AC Current</b>	400A, 600A
Accuracy	$\pm(1.75\%rdg + 5dgt)$
AC Response	(50-60Hz)
Overload	600A AC max. for 1 min.
<b>DC Voltage</b>	400mV, 4V, 40V, 400V, 600V
Accuracy	$\pm(0.5\%rdg + 8dgt)$ (400mV to 400V) $\pm(0.7\%rdg + 2dgt)$ for 600V
<b>AC Voltage</b>	4V, 40V, 400V, 600V
Accuracy	$\pm(1.2\%rdg + 4dgt)$ $\pm(4\%rdg + 5dgt)$ for 600V
AC Response	(50-60Hz)
<b>Resistance</b>	400 $\Omega$ ~ 40M $\Omega$
Accuracy	$\pm(0.75\%rdg + 8dgt)$ 400 $\Omega$ to 400k $\Omega$ $\pm(1\%rdg + 6dgt)$ 4M $\Omega$ $\pm(2\%rdg + 4dgt)$ 40M $\Omega$
Overload	600V DC / AC RMS
<b>Over Range</b>	"OL" or "-OL" is indicated
<b>Frequency</b>	100Hz, 1KHz, 10KHz, 100KHz, 500KHz
Accuracy	$\pm(0.3\%rdg + 2dgt)$
<b>Duty Cycle</b>	1% to 90 %
<b>Power</b>	Two 1.5V 'AAA' Battery
<b>Low Battery</b>	" $\text{E}$ " is Indicated
<b>Battery Life</b>	150 hours (typical)
<b>Dimension</b>	220 x 85 x 46 mm (approx.)
<b>Weight</b>	280gms Including Battery (approx.)
<b>Jaw Opening</b>	Cable Dia. 30mm max.
<b>Accessories</b>	One Pair of Test Leads, Battery (installed), Instr. Manual & Carrying Case

**600A DC / AC TRMS**

Auto Ranging, 3% Digit, 6000 Counts, Capacitance, Data Hold, Back Light (White & Orange), Torch Light, Hz / Duty, NCV (Buzzer & EF Strength), APO

<b>DC Current</b>	60A / 600A
Accuracy	$\pm(2.5\%rdg + 10dgt)$
Overload	600A DC max. for 1 min.
<b>AC Current</b>	60A / 600A
Accuracy	$\pm(2.5\%rdg + 10dgt)$
AC Response	40Hz ~ 400Hz
Overload	600A AC max. for 1 min.
<b>DC Voltage</b>	6V, 60V, 600V (Auto)
Accuracy	$\pm(0.8\%rdg + 3dgt)$
<b>AC Voltage</b>	6V, 60V, 600V (Auto)
Accuracy	$\pm(1.0\%rdg + 8dgt)$
AC Response	40Hz ~ 400Hz
<b>Resistance</b>	600 $\Omega$ , 6k $\Omega$ , 60K $\Omega$ , 600k $\Omega$ , 6M $\Omega$ , 60M $\Omega$ (Auto)
Accuracy	$\pm(1.5\%rdg + 5dgt)$
<b>Capacitance</b>	6nF, 60nF, 600nF, 6 $\mu$ F, 60 $\mu$ F, 600 $\mu$ F, 6mF, 60mF (Auto)
Accuracy	$\pm(5\%rdg + 8dgt)$
	Note : 6nF for Reference only
<b>Frequency</b>	9.999Hz ~ 9.999MHz (Auto)
Accuracy	$\pm(1.0\%rdg + 3dgt)$
<b>Duty Cycle</b>	0.1% - 99.9%
Accuracy	$\pm(1.0\%rdg + 3dgt)$
<b>Safety</b>	CAT III 600V
<b>Standard Audible</b>	50 $\Omega$ (approx.)
<b>Continuity</b>	
<b>Diode Test</b>	1.0 $\pm$ 0.6mA (approx.)
<b>Power</b>	Two 1.5V 'AAA' Battery
<b>Low Battery</b>	" $\text{E}$ " is indicated
<b>Battery Life</b>	200 Hours Typical
<b>Dimension</b>	203 x 71 x 33 mm (approx.)
<b>Weight</b>	193gms Including Battery (approx.)
<b>Jaw Opening</b>	Cable Dia. 35mm (max.)
<b>Accessories</b>	One Pair of Test Leads, Instruction Manual, Carrying Case, Battery (installed)

**Accessories**

K Type Bead Probe (upto 260°C)

**Model : TPK-B**



K Type Stick Probe (upto 500°C)

**Model : TP-02**



Pair of Test Leads suitable for DMM/DTT

**Model : TL-DMM/DTT**



Pair of Test Leads suitable for Insulation Tester

**Model : TL-IT**

