

## Yokogawa Digital Multimeters

### TY700 Series

- Basic accuracy 0.02%
- True RMS measurement
- Dual 7 segment display with backlight
- 50k count with 51 segment bar graph
- Measures AC/DC Volts to 1kV, AC/DC Amps to 10A, resistance, continuity, temperature, frequency, capacitance & diode test
- Large capacity logging-mode memory
  - TY720: 10,000 data
  - TY710: 1,000 data
- USB communication & application software (optional DMM communication package)
- Rated 1000V CAT III & 600V CAT IV
- Three year warranty


**TY720**


### TY500 Series

- Basic accuracy 0.09%
- True RMS measurement
- 6k count backlit display
- 31 segment bar graph display
- Measures AC/DC Volts to 1kV, AC/DC Amps to 10A, resistance, continuity, temperature, frequency, capacitance & diode test.
- Logging-mode memory for 1600 data points
- USB communication & application software (optional DMM communication package)
- Conforms to safety standards EN61010-1, 1000V CAT III, 600V CAT IV
- Three year warranty


**TY530**


## SPECIFICATIONS

Model	TY720	TY710	TY530	TY520	CA450
DC Volts	7 ranges, 50mV - 1000V (best resolution 0.001mV)		5 ranges, 600mV - 1000V (best resolution 0.1mV)		5 ranges, 600mV - 1000V (best resolution 0.1mV)
AC Volts, TRMS:	6 ranges, 50mV - 1000V (best resolution 0.001mV) 10Hz - 100kHz	10Hz - 20kHz	5 ranges, 600mV - 1000V (best resolution 0.1mV) 40Hz - 1kHz		5 ranges, 600mV - 1000V (best resolution 0.1mV) 40Hz - 1kHz
DC Amps:	6 ranges, 500μA - 10A (best resolution 0.01μA)		6 ranges, 600μA - 10A (best resolution 0.1μA)		30mA, 100mA ranges (best resolution 0.001mA)
AC Amps, TRMS:	6 ranges, 500μA - 10A (best resolution 0.01μA) 10Hz - 5kHz	10Hz - 1kHz	6 ranges, 600μA - 10A (best resolution 0.1μA) 40Hz - 1kHz		with optional clamp probe
AC + DC:	Volts, Amps		---		---
Resistance:	6 ranges, 500Ω - 50MΩ (best resolution 0.01Ω)		6 ranges, 600Ω - 60MΩ (best resolution 0.1Ω)		6 ranges, 600Ω - 60MΩ (best resolution 0.1Ω)
Low Power Resistance:	4 ranges, 5kΩ - 5MΩ	---	---		---
Capacitance:	8 ranges, 5nF - 50mF (best resolution 0.001nF)		6 ranges, 10nF - 1000μF (best resolution 0.01nF)		---
Frequency:	5 ranges, 10Hz - 100kHz (best resolution 0.001Hz)		4 ranges, 100Hz - 100kHz (best resolution 0.01Hz)		3 ranges, 200Hz - 20kHz (best resolution 0.01Hz)
Duty Cycle:	10 - 90% (resolution 1%)		---		---
Temperature (Type K):	-200 to 1372°C (resolution 0.1°C)		-50 to 600°C (resolution 0.1°C)		---
Logarithm (db) Computation:	Yes		---		---
Diode/Continuity Test:	Yes		Yes		Yes
Automatic Data Hold:	Yes		Yes		Yes
Min/Max Memory:	Yes		Yes	---	Yes
Peak Hold:	Yes	---	---	---	Yes
Data Logging Memory:	10000 points	1000 points	1600 points	---	---
PC Connection:	Yes		Yes	---	Yes
DC Current Source/Sink:	---		---		0 to 20mA (resolution 0.001mA)
24V Loop Supply:	---		---		20mA load max.
Step/Sweep mA Output:	---		---		Yes

### CA450 Process Multimeter

Functionality of a loop calibrator like the CA11E plus a digital multimeter like the TY520.

- Simultaneous 24 V loop power and mA measurement
- HART mode setting with loop power (250Ω resistance)
- SIMULATE (SINK) function simulates transmitters
- 4-20 mA span/step/auto-step/sweep output
- High accuracy signal measurement: 0.05% @ 30.000mA DC
- Peak/Hold function for DCS power peak-to-peak measurement
- Dedicated sensor modes for direct reading of many sensor signal types
- Current terminal shutter prevents incorrect connections
- Sensor function handles AC load current measurement
- Meets 600 V CAT IV, 1000 V CAT III safety standards
- Transfer data to a PC via IR-U
- Three year warranty


**CA450**


### ORDERING INFO

TY720	4.5 digit DMM with expanded data memory
TY710	4.5 digit DMM with data memory
TY530	3.5 digit DMM with data memory
TY520	3.5 digit DMM
CA450	Process Multimeter
<b>Accessories</b>	
YE/92015	DMM communication package (includes IR adapter, USB cable & PC software)
YE/90051	Type K liquid probe, -50° to 600°C
YE/90056	Type K surface probe, -20° to 500°C
YE/96001	400A AC current clamp probe
YE/96095	180A DC/ 130A AC clamp probe
YE/93029	Carrying case