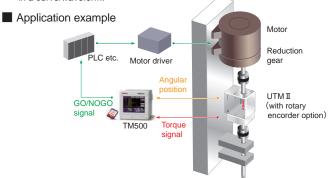
TV500 TORQUE WAVEFORM MONITOR FOR UTM II/UTMV







- Waveform display of torque variation against angles.*
- Suitable for low-speed rotation and linear motion applications.
- Save measurement data and setting values in a SD card. Data can be converted to CSV format and edited in Excel format easily.
- Easy connection to UTM II /UTMV with the supplied cable.
- The unit supplies electric power to UTM II /UTMV. (also to an optional rotary encoder*)
- ※: Rotary encoder option is not available for UTMV. Torque fluctuation over a period of time will be displayed in a curve/waveform.



		Specifications	
Analog	Torque input	- 5 to + 5 V Input impedance : 1M or more	
	Accuracy	Non-linearity: Within 0.02%FS±1digit	
		Zero drift: Within 0.2mV/℃ RTI	
		Gain drift : Within 0.01%/℃	
	Analog filter	Low pass filter (-6dB/oct.) Select from 30, 100, 300, 1kHz	
	A/D converter	Rate: 4000times/sec	
		Resolution: 24bit (binary) Approx. 1/30000 with respect to 5V	
	Monitor output	Input voltage return (for tester)	
	Pulse input	Maximum input frequency 50kHz	
	(Open collector)	Internal counting range Approx. 1000000	
Display	Display unit	3.5 inch TFT color LCD	
Setting	Setting method	Setting by analog type touch panel operation	
	Preservation of	f set values NOV RAM (nonvolatile RAM),	
	Lithium-battery-backed-up C-MOS RAM		
External	External output	Hold result(Load, DPM) / Overload / Wave result / Complete /	
I/O signa	signal (15)	RUN / Load OK / DPM OK / SD OK	
	External input	Load Digital Zero / DPM Positioning / Start / Stop / Hold /	
	signal (12)	Reset / Backlight On / Prohibit Touch Panel / Work change	
Interface	RS-232C interf	ace	
Option	SDC: SD card slot (Approx. 80 waveforms can be preserved by 1MB., SDHC and SDXC are not supported.)		
Орион	All indicated values and all comparison waveforms can be saved and restored. Measured		
	waveforms and judgment points can be saved automatically.		
General	Power supply	DC24V(±15%)	
performance	Power consumption		
periormanee	Operating condition		
	Operating condition	Humidity : 85%RH or less (non-condensing)	
	Dimension	96(W)×96(H)×117.3(D)mm(Projections excluded)	
	Weight	Approx. 1.0kg	
Attachment		ual···1, External input/output connector···1, Cable for UTM II /UTMV	
/ tttdorimont	connection 2m···1, Cable for UTM II rotary encoder connection 2m···1, SD card (1GB)(with		
	SDC option)···1		
Optional	DTC1:	Case for TM500 (with AC power supply)	
accessories	SD1G:	1GByte card	
	SD2G:	2GByte card	
	SD-ADP:	SD card adapter (ATA TYPE II)	
	CA81-232X:	miniDIN-D-Sub9p cross cable 1.5m	
	CATM21-M:	Cable for UTMII/UTMV connection 2m	
	CATM51-M:	Cable for UTMII/UTMV connection 5m	
	CATM(R)21:	Cable for UTM II rotary encoder connection (non-connector at one end) 2m	
	CATM(R)21-M:	Cable for UTMII rotary encoder connection 2m	
	CATM(R)51-M:	Cable for UTMII rotary encoder connection 5m	
	CN52:	FCN series I/O connector (with cover)	
	CN57:	FCN series I/O connector (with diagonal cover)	
	CN60:	Circular DIN 8p connector for RS-232C	
	CN90:	Waterproof plastic connector for UTMI/UTMV connection	
	CN91:	Waterproof plastic connector for UTMII rotary encoder connection	
	GMP96x96:	Rubber packing	

Specifications

Structure of product code

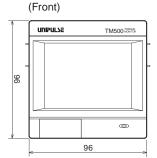
TM500 (1) (2)

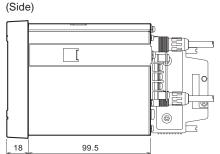
①Standard unit

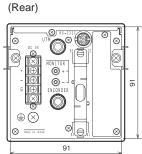
②SD card slot

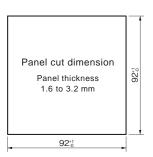
Sign	Card slot
Standard	W/O
SDC	SD card slot (1GB attached)

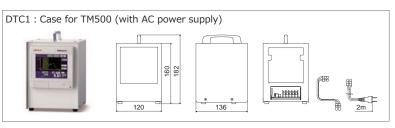
External dimension











Unit mm