TV700 HIGH-SPEED TORQUE WAVEFORM MONITOR FOR UTMI/UTMV

Voltage input

Analog filter

A/D converter

Monitor output

Accuracy

Torque input

Specifications

Gain drift : within 0.01%/°C Low pass filter (-6dB/oct.) Select from 10, 30, 100, 300, 1k, 3k, 10k, 30kHz

Output level: 1V output per 1V input (load resistance: 2k or above)

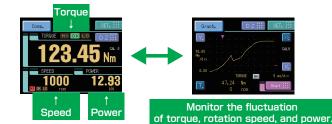
Approx. 1/30000 against 5V

Signal input range -5 to +5V Input impedance : 1M or more Non-linearity : within 0.02%FS±1digit Zero drift : within 0.2mV/°C RTI

> Rate : 20000times/sec Resolution : 24bit (binary)



- High-speed sampling at 20kS/s!!
- A torque curve monitor supporting the high response time of UTMI /UTMV (1kHz).
- Display the curves of torque, rotation speed, and power.
- Enable the cogging torque measurement with UTMI /UTMV.
- Upper/lower limits & hold function.
- Operation power can be supplied to the UTMI /UTMV.
- Easy connection to UTMI /UTMV with the supplied cable.
- Data recording with USB.



Rotation	Pulse input (open-collector)	
input	high-speed (for st	andard UTMI /UTMV)
	Max. frequency A	ccordance with UTMI /UTMV
	Min. frequency S	elect from 15, 10, 5, 3, or 2 rpm (when pulse rate is 4 ppr)
	6	0, 40, 20, 12, 8 rpm (when pulse rate is 1 ppr)
	Min. pulse width 5	Оµs
	Circuit configuration:No	p-voltage contact input (minus common) Open collector connectable (Ic=Approx. 10mA)
	low-speed (for UTMII with rotary encoder option)	
	Max. frequency A	pprox.1000rpm
	Min. frequency 0	.1rpm
		hz
		p-voltage contact input (minus common) Open collector connectable (Ic=Approx. 10mA)
Display		.5 inch TFT color LCD
External	External output (8)	
I/O signal	e	x) high and low limit outputs
	External input (10)	
		x) hold control input, digital zero input(DZ)
Interface	SIF : 2-wire serial interface	
	USB : USB interface	
	D3V : D/A converter voltage output (3ch) (Option)	
Power supply	DC24V (±15%)	
Power consumption	6W typ	
Operating	Temperature : Operation -10°C ~ +40°C Storage -40°C ~ +80°C	
conditions	Humidity: 85%RH or below (non-condensing)	
Dimension	96(W)×96(H)×138(D)mm (excluding projections)	
Weight	Approx.1.0kg	
Attachment	Operation manual···1, External input/output connector···1,	
	Cable for connecting UTMII/UTMV (2m)···1, Operating tool (with D/A converter(3ch) option)···1	
Accessories	DTC2 : 0	Case for TM700 (with AC power supply)
		Cable with FCN connector at one-end 3m
		miniUSB-computer USB cable 1.8m
		Cable for connecting UTMI /UTMV 2m
		Cable for connecting UTMI /UTMV 5m
		Cable for UTMII with rotary encoder connection (non-connector at one end)UTMII 2m
		Cable for connecting UTMII rotary encoder 2m
		Cable for connecting UTMII rotary encoder 5m
		FCN series I/O connector (with cover)
		FCN series I/O connector (with diagonal cover)
		D/A converter(3ch) connector
		Naterproof plastic connector for UTMI /UTMV
		Naterproof plastic connector for UTMI rotary encoder Rubber seal
		Cubber seal
1	13003. 1	Do lighting surge unit

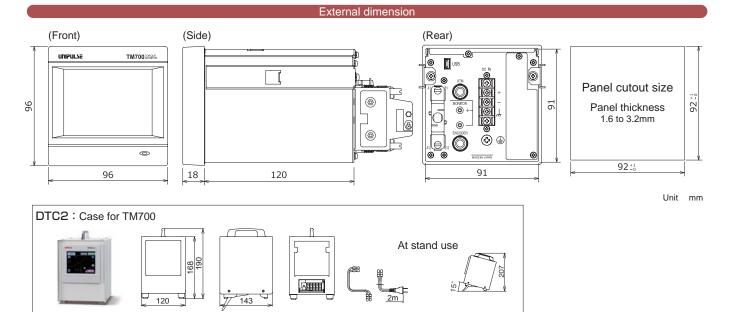
EMC directives EN61326-1 CE marking certification

Structure of product code

ТМ700 □ 1 2

① Standard unit

Interface Sign Interfac Standard SI/F、USB 1 One optional interface can be added in addition the standard interface. D3V D/A converter(Voltage output) (3ch)



UNIPULSE