

DT-300 SERIES

Digital Tachometer Stroboscopes

- 100–30,000 RPM/FPM & higher with harmonics
- Highest accuracy and most stable flash rate
- Easy-to-read LED display
- Easy-to-operate controls
- Detachable pistol-grip handle
- Provides 12 V DC power for external sensors
- Accepts external trigger input and provides synchronizing pulse output
- Phase shift for best view and flash photography
- Coarse and Fine flash rate control
- Instant double and half-rate flash selection for error-free reading



DT-311A

115 V AC or 230 V AC

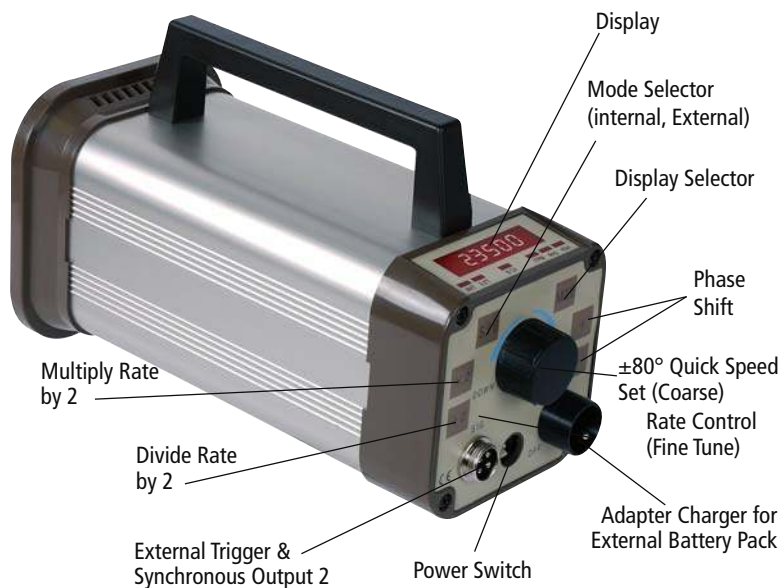
DT-315A

Internal battery, 12 V DC or AC adapter

DT-315AEB

External battery pack or 12 V DC

Check•Line DT-300 Series Digital Tachometer Stroboscopes are portable, highly stable and accurate, industrial-quality tools for non-contact RPM measurement, inspection and observation of moving parts by "freezing" or "slowing down" the action.



Specifications

Flash Range	100–30,000 FPM	Display	5 digits, 10 mm high, red LED
Accuracy		Flashtube	Xenon, 10 W maximum
Internal Mode:	+ 0.01% of reading	Flash Duration	10–30 μ s
External mode:	+ 0.01% or + 1 digit	Sensor Power Supply	12 V DC + 0.6 V, 40 mA
Drift	+ 0.01% per degree C		
Update Time			
Internal Mode	0.2 seconds		
External Mode	1 second		
Decimal Point	100.0–1,999.9 and 2,000– 30,000		
Output Signal	Synchronous, 400 μ s pulse, 0 to approx. +12 V DC, 1000 ohms impedance		
Display & Rate	Divide or multiply by 2, selectable		
Low Battery Indicator	Display shows L's		
Operating Temperature	32–104° F (0–40° C)		

EXTERNAL MODE ONLY

Phase Shift:	0–359° with 1° resolution or 0–333 ms from 200–3,000 FPM
Input Signal Req'd for External Triggering:	5–24 V P–P (not to exceed 35 V to GND), pulse width 50 μ s minimum, rise time less than 0.2 ms
Input Impedance	10,000 ohms

Model	Power Requirements
DT-311A	115 V or 230 VAC (specify), 50/60 Hz, 30 VA
DT-315A	115 VAC or 230 VAC Adapter or one (1) hour, internal, rechargeable 12 V battery or external 12 VDC
DT-315AEB	Three (3) hour, external, rechargeable 12 V DC Power Pack or external 12 V DC

Model	Accessories	Battery Usage	Battery Charge	Dimension	Weight
DT-311A	none	N/A	N/A	4.7 x 4.7 x 7.2" (120 x 120 x 183 mm)	2.6 lbs. (1.2 kg)
DT-315A	Internal battery, 12 VDC with 115 VAC or 230 VAC AC Adapter Charger	1 hour at high flash rate	16 hours	4.7 x 5.6 x 9.7" (120 x 141 x 248 mm)	4.4 lbs. (2kg)
DT-315AEB	External battery pack, 12 V DC, with 115 V AC or 230 V AC Charger & carrying case	3 hours at high flash rate	16 hours	Same as DT-311A	4.5 lbs. (2 kg)

External Battery Pack

DT-3115AEB only	6.3 x 4.3 x 2.8" (161 x 110 x 71 mm)	4.5 lbs. (2 kg)
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