

**Stroboscopes General Specification**

	<b>Alpha Strobe - Type 724</b>	<b>Beta Strobe - Type 725</b>	<b>Beta Strobe A2 - Type 726</b>
Display	5 Digit red 10mm LED display of all parameters	5 Digit red 10mm LED display of all parameters	5 Digit red 10mm LED display
Light output/Res.	Range 1. - 0.4Ws Range 2. - 0.1Ws	Range 1. - 0.4Ws Range 2. - 0.1Ws	Range 1. - 0.4Ws Range 2. - 0.1Ws Range 3. - 0.4Ws Range 4. - 0.1Ws
Light intensity	max. 650 Lux (at 50cm dist)	max. 650 Lux (at 50cm dist)	max. 6000 Lux (at 50cm dist)
Freq.Rate	Overall 60 - 24,000fpm (1-400Hz)	Overall 60 - 24,000fpm (1-400Hz)	Overall 60 - 24,000fpm (1-400Hz)
Flash Duration	10-40 microseconds	10-40 microseconds	10-40 microseconds
Resolution	1 rpm (0.01 Hz)	1 rpm (0.01 Hz)	1 rpm (0.01 milli/sec)
Accuracy	+/- 0.02%	+/- 0.02%	+/- 0.02%
Phase shift	-	0.540° (or 0 - 65 milli/sec)	0.540° (or 0 - 65 milli/sec)
Resolution	-	0.1° (or 0.01 milli/sec)	0.1° (or 0.01 milli/sec)
Ext.Triggering	Pulse input between 5 -30vdc via Multi-pin socket (ext. power output 5v & 12vdc)	Pulse input between 5 -30vdc via Multi-pin socket (ext. power output 5v & 12vdc)	Pulse input between 5 -30vdc via Multi-pin socket (ext. power output 5v & 12vdc)
Synch. Output	Standard via multi-pin socket	Standard via multi-pin socket	Standard via multi-pin socket
Clock outputs	-	-	-
Controls	Single Digitiser frequency control for course and final adjustment	- Single Digitiser frequency control for course and final adjustment - Phase selection with Time/angle option Degrees or Milliseconds - Trigger edge selection - Mains synchro - rpm or Hz display	- Single Digitiser frequency control for course and final adjustment - Phase selection with Time/angle option Degrees or Milliseconds - Trigger edge selection - Mains synchro - rpm or Hz display
Memory	Control settings retained on power down	Control settings retained on power down	Control settings retained on power down
Trigger input	5vdc & 12vdc power available for Sensors via DIN socket	-	-
Power input	110/230vac 50/60 Hz z user selectable externally	IEC socket - 110/230vac 50/60 Hz user selectable externally	IEC socket - 110/230vac 50/60 Hz user selectable externally
Temp. protection	Integral temperature cut-out for overheat protection	Integral temperature cut-out for overheat protection	Integral temperature cut-out for overheat protection
Housing	Aluminium size 280x80mm	Aluminium size 280x80mm	Aluminium size 280x240x80mm
Weight	2.3 kg's (excl lamp)	2.3 kg's (excl lamp)	2.3 kg's (excl lamp)
Lamp unit	Plug in Quartz type - with Spot reflector (flood version optional)	Plug in Quartz type - with Spot reflector (flood version optional)	Plug in Quartz type - with Spot reflector (flood version optional)
Reflector dia.	-	-	-
Connections	2 metre cable with connector fitted	2 metre cable with connector fitted	2 metre cable with connector fitted
Housing	Aluminium/Plastic - Black finish with screw-in tripod/handle option (hand grip supplied)	Aluminium/Plastic - Black finish with screw-in tripod/handle option (hand grip supplied)	Aluminium/Plastic - Black finish with screw-in tripod/handle option (hand grip supplied)
Weight	1.5kg's	1.5kg's	1.5kg's

**Stroboscopes General Specification** (continued)

	<b>Beta Strobe A3 - Type 727</b>	<b>Gamma Strobe - Type 728</b>
Display	5 Digit red 10mm LED display of all parameters	LCD Alpha-numeric Display of all parameters
Light . output/Res	-	Stage 1. - 1075 Hz = 0.25Ws Stage 2. - 525Ws = 0.5Ws Stage 3. - 349.5 = 0.75Ws Range 4. - 0.1Ws = 1.00Ws
Light intensity	-	max. 6000 Lux (at 50cm dist)
Freq.Rate	Overall 60 - 18000fpm (1-300Hz)	Overall 0.1 - 1075 Hz
Flash Duration	-	-
Resolution	1 rpm (0.01 Hz)	0.01 Hz
Accuracy	-	-
Phase shift	-	Displayed in Milliseconds
Resolution	-	0.1° (or 0.01 milli/sec)
Ext.Triggering	-	Pulse input between 5 -30vdc via Multi-pin socket (ext. power output 5v & 12vdc)
Synch. Output	-	Standard via multi-pin socket
Clock outputs	-	O/P1. No Delay, OP2 Time delayed user settable
Controls	-	Menu driven - controls via keypad
Memory	-	Control settings retained on power down
Trigger input	-	-
Power input	IEC socket - 110/230vac 50/60 Hz	IEC socket - 110/230vac 50/60 Hz user selectable externally
Temp. protection	-	Integral temperature cycle control above 1000Hz 20sec on, 40s off time
Housing	Aluminium size 280x240x80mm	Aluminium size 371x157x262mm
Weight	-	5.5 kg's (excl. lamp)
Lamp unit	Plug in Quartz type - with Spot reflector (flood version optional)	Plug in Quartz type - with Spot reflector (flood version optional)
Reflector dia.	-	160mm
Connections	-	2 metre cable with connector fitted
Housing	-	Aluminium - Grey finish build-in hand grip & screw-in mount & ball socket
Weight	1.5kg's	1.9kg's

**Stroboscopes General Specification** (continued)

	<b>DT-311</b>	<b>DT-315N</b>
Display	5 Digit red 10mm LED display	5 Digit red 10mm LED display
Flash Energy	10w	10w
Flash Tube	Xenon type (100m flashes)	Xenon type (100m flashes)
Freq. Rate	Overall 40 - 35,000 fpm	Overall 40 - 35,000 fpm
Flash Duration	10-40 microsecs	10-40 microsecs
Res.	Range 1. - 0.1 digit Range 2. - 0.2 digit Range 3. - 0.5 digit Range 4.- 1.0 digit	Range 1. - 0.1 digit Range 2. - 0.2 digit Range 3. - 0.5 digit Range 4.- 1.0 digit
Accuracy	+/- 0.01%	+/- 0.01%
Rate Multiplier	x2 & x 1/2 features via pushbuttons	x2 & x 1/2 features via pushbuttons
Ext.Triggering	Pulse input between 12-24vdc Multi-pin socket (ext. power output 12vdc)	Pulse input between 12-24vdc Multi-pin socket (ext. power output 12vdc)
Synch. Output	Standard via multi-pin socket - plug supplied	Standard via multi-pin socket - plug supplied
Phase shift	Displayed in Milliseconds	Displayed in Milliseconds
Resolution	0.1°	0.1°
Phase Control	Digital in 0.1° steps	Digital in 0.1° steps
Controls	1. Two position Range switch 2. Digitiser frequency control 3. Push switch for freq/Phase selection	1. Two position Range switch 2. Digitiser frequency control 3. Push switch for freq/Phase selection
Memory	Control setting retained on power down	Control setting retained on power down
Trigger Input	5vdc & 12 vdc power available for Sensors via DIN Socket	5vdc & 12 vdc power available for Sensors via DIN Socket
Power Input	230vac (115vac version available)	12vac (115vac version available)
Low battery ind	-	-
Temp. cut-out	Integral temperature cut-out for overheat protection	Integral temperature cut-out for overheat protection
Housing	Extruded aluminium - tripod bush in base	Extruded aluminium - tripod bush in base
Battery Type	-	Sealed lead/acid 12v gel type
Standard Pack	-	Strobe, Pistol grip 100-240vac Charger/Adaptor