

PRODUCT COMPARISON

Low Voltage Test

	RT290	Reflex 10	Reflex 10M	Reflex 510
TEST TYPES				
Adaptor continuity (Fixture test)	1	1	1	1
Coil voltage / current / resistance	1	1	1	1
Coil transient (Back EMF)	3*	3	3	3
Coil inductance	3	N/A	N/A	N/A
Magnetic circuit test	3	N/A	N/A	*
V reform	2	2	2	2
Pull in / Drop out voltage ramp	1	1	1	1
Pull in / Drop out voltage ramp Ex	1	1	1	1
Pull in / Drop out voltage pulse	2	2	2	2
Pull in / Drop out current ramp	2	2	2	2
AT ramp	2	2	2	2
V functional	1	1	1	1
Series diode leakage	3*	3	3	3
Diode check	2	2	2	2
Neutral Screen	3*	3	3	3
Static contact resistance	1	1	1	1
Contact resistance stability	1	1	1	1
Dynamic CR	3	3	3	3
V delta CR	2	2	2	2
Contact voltage drop	2*	2*	2	2
Contact set shorts	2	2	2	2
Short to metal can	3*	3	3	3
Delay	1	1	1	1
Contact timing	1	1	1	1
FET / TR drive V / I	3*	3*	3*	3*
Handler control	1	1*	1*	1*
DWV /IR	RT900*	N/A	N/A	N/A

KEY

1	Basic (level 1) software supplied as standard
2	Intermediate (level 2) software option
3	Advanced (level 3) software option
*	Requires additional hardware
N/A	Not available



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COIL						
Connection			4 -terminal	2- terminal	2- terminal	2- terminal
DC	Coil PSU		built in	built in	built in	ASY0910
	VOLTAGE	Low (V)	0 - 80	0 - 80	0 - 80	0 - 80
		Accuracy	0.2% + 10 mV	0.8% + 30 mV	0.8% + 30 mV	0.8% + 30 mV
		High (V)	0 - 370*	0 - 370*	0 - 370*	0 - 370*
		Accuracy	0.2% + 200 mV	0.8% + 100 mV	0.8% + 100 mV	tbd
	CURRENT	Low (mA)	0 - 40	0 - 40	0 - 40	0 - 40
		Accuracy	0.2% + 300 uA	0.4% + 300 uA	0.4% + 300 uA	tbd
		High (mA)	0 - 400 / 1000*	0 - 400	0 - 400 / 1000*	0 - 400
Accuracy		0.2% + 2 mA	0.4% + 2 mA	0.4% + 2 mA	tbd	
AC	Coil PSU		ASY0710*	N/A	built in	ASY0910
	Voltage (Vrms)		0 - 250*	N/A	0 - 280	0 - 280
	Accuracy		tbd	N/A	2%	2%
	Power (W)		40*	N/A	20	10
	Frequency (Hz)		50, 60, 400*	N/A	50, 60, 400	50, 60, 400
Coil resistance accuracy (1k @ 20mA)			0.3% + 2 R	0.8% + 200 mR	0.8% + 200 mR	0.8% + 200 mR
Temperature probe			*	*	*	*
TRANSISTOR / FET DRIVE	VOLTAGE	Low (V)	0 - 2.048	0 - 3.22	0 - 3.22	0 - 3.22
		High (V)	0 - 20.48	0 - 32.20	0 - 32.20	0 - 32.20
		Accuracy	0.5% + 10 mV	0.8%+0.1% FSD	0.8%+0.1% FSD	0.8%+0.1% FSD
	CURRENT	Low (mA)	0 - 2.048	0 - 2.090	0 - 2.090	0 - 2.090
		Accuracy	0.5% + 3 uA	0.8%+0.1% FSD	0.8%+0.1% FSD	0.8%+0.1% FSD
		High (mA)	0 - 20.48	0 - 20.90	0 - 20.90	0 - 20.90
		Accuracy	0.5% + 30 uA	0.8%+0.1% FSD	0.8%+0.1% FSD	0.8%+0.1% FSD

KEY

*	Optional
N/A	Not available
tbd	To be defined



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CONTACT					
Maximum channels		8 PCO	4 PCO	4 PCO	40 (20 PCO)
LOADS	Timing	6 V, 10 mA	6 V, 10 mA	6 V, 10 mA	12 V, 10 mA
	CA0	15 - 255 mV, 10 mA	30 mV, 10 mA	30 mV, 10 mA	30 mV, 10 mA
	CA0 accuracy	0.2% + 3 mR	0.8% + 800 uR	0.8% + 800 uR	tbd
	CA0 frequency	1 kHz	DC	DC	1 kHz
	Intermediate	6 V, 100mA / 6 V, 1 A / 12 V, 1A*	6 V, 100 mA* / 28 V, 100mA	6 V, 100 mA* / 28 V, 100mA	N/A
	High level	0 - 30V, 0 - 10A ASY0700*	0 - 30V, 0 - 10A ASY0700*	0 - 30V, 0 - 10A	24 Vrms, 5 / 10 A
General					
Device interface connectors		60w Hirose / 25w + 62w D-type	60w Hirose	37w D-type + 37w CPC AMP	25w D-type + 37w D-type + 37w CPC AMP
Power supply		115 / 230 Vac 50 / 60Hz	115 / 230 Vac 50 / 60Hz	115 / 230 Vac 50 / 60Hz	115 / 230 Vac 50 / 60Hz
Dimensions H x W x D (mm)		4U x 19" rack x 510	340 x 210 x 135	560 x 300 x 420	9U x 19" rack x 370
Dimensions external PSU (mm)		N/A	255 x 123 x 69	N/A	N/A
Weight (excl. optional coil PSU) (kg)		21	4.5 (incl. PSU)	25	
Country of manufacture		U.K.	U.K.	U.K.	U.K.
Warranty (RTB)		1 year	1 year	1 year	1 year

KEY

*	Optional
N/A	Not available
tbd	To be defined

