Specification Weld Hole Detector

Data:

Available Emitter Length:	240 mm(**WHD 240**), 480 mm(**WHD 480**), 960 mm(**WHD 960**)
Distance between Emitter and Receiver:	550 to 700 mm
Hole Size:	Ø6 mm to Ø10 mm
Maximum Target Speed:	150 km/h(**WHD 240**), 75 km/h(**WHD 480**), 37 km/h(**WHD 960)**
Response Time	< 6 ms
Min. Time between two Holes:	1 sec
Min. Distance from Edge to Hole:	15 mm
Display size:	3.5 inch
Material:	Aluminium and Glass Window
Weight:	2.5 kg (**WHD 240**), 4.5 kg(**WHD 480**) and 7.5 kg(**WHD 960**)
Degree of Protection:	IP(65)
Cable length:	2 meter (other length available)
Supply voltage:	110 to 230 VAC
Power consumption:	max 30 W
Humidity non condensing:	max 90 % RH
Operating temperature:	0 - +50 C°
Storage temperature:	-20 - +70 C°
Relay Type:	Galvanic isolated Form C SPDT max 24 VDC / 2 Amp

Output:

System Check Relay:	Normally activated Error deactivated
Event Relay:	Activated on Event and hold of preset time (on Control Box)
Display:	New event, Event Counter, Relay state, Time since last Event.

The system consist of two units - Emitter unit and Receiver/Control unit. The two units are connected via a 2 meter long cable(other length are available). The Receiver/Control unit has build in advanced control electronic and power supply for 110/230 VAC. A 3.5 inch display shows when a new weld hole is detected and show counters displaying the number of events since last reset and the total events since power on. The display also shows the state of the relays.

- *Resistant to ambient light interference.*
- *Dust, mist and vibration tolerant.*
- *Detects holes with emitter completely covered by strip.*
- *Detects holes with one edge of emitter not covered by the strip.*
- *Detects one or more holes with both edges of emitter uncovered by the strip.*
- *NO moving parts.*
- *Robust Standard 45*45 mm anodized Alu profile with*