

鐵路列車車載電子設備

EN50155 型式認可測試



鐵路電子設備必須適應不同的運作環境要求例如、溫度、濕度、衝擊、震動和電性能差異。此類電子設備必須通過符合 EN50155 標準的一套嚴格的測試，以確保整個系統能在嚴苛的鐵路環境下正常地運作。

香港生產力促進局轄下的可靠性測試中心擁有符合 EN50155 型式認可測試能力，可為業界提供有關之服務。

針對一般鐵路電子儀器，**可靠性測試中心**具備完整的測試能力。

	測試項目	型式試驗	中心能力
1	目視檢驗	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	性能試驗	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	電源測試	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	絕緣試驗	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	低溫儲存試驗		<input checked="" type="checkbox"/>
6	低溫啟動測試	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	乾熱試驗	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	循環濕熱試驗	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	鹽霧試驗		<input checked="" type="checkbox"/>
10	外殼保護測試 (IP代碼)		<input checked="" type="checkbox"/>
11	電磁兼容測試	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	振動及衝擊試驗	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	設備應力篩選		<input checked="" type="checkbox"/>
14	快速溫度變化測試		<input checked="" type="checkbox"/>

EN50155 Type Approval Test on Electronic Equipment for Railway Applications



Electronic equipment for railway applications must adapt to different operational environmental requirements such as temperature, humidity, shock, vibration, and electrical characteristic differences. Such electronic devices must comply with the EN50155 standard set of rigorous tests to ensure that the entire system can function properly in the harsh environment of the railway. The Reliability Testing Centre of the Hong Kong Productivity Council is equipped with the capability to meet requirements of the EN50155 Type Approval Test, and can provide related test services for the industry.

Reliability Testing Centre has complete testing capability for EN50155 Type Approval Test for a typical railway component.

	Test Item	Type Test	Our Capability
1	Visual Inspection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Performance Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Power Supply Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Insulation Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Low Temperature Storage Test		<input checked="" type="checkbox"/>
6	Low Temperature Start-up Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Dry Heat Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	Cyclic Damp Heat test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Salt Mist Test		<input checked="" type="checkbox"/>
10	Enclosure Protection Test (IP code)		<input checked="" type="checkbox"/>
11	Electromagnetic compatibility (EMC) Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Vibration and Shock Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	Equipment Stress Screening		<input checked="" type="checkbox"/>
14	Rapid Temperature Variation Test		<input checked="" type="checkbox"/>

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