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CRANE SCALE

WITH THERMAL PROTECTION

STIPL-HS

HIGH-STRENGTH **DESIGN FOR ACCURATE** LOAD MEASUREMENT

www.samuraiscale.com

Product Overview

Heat-Resisting Crane Weighing Scales are advanced high temperature crane scales designed to deliver precision, durability, and reliability in extreme industrial environments. These industrial crane weighing scales are specially built for high-temperature casting industries, where accurate overhead weighing is required under heavy loads and temperatures up to 1600°C.

Hardware

- › Rugged Steel Housing – Built for rough industrial and high-temperature environments
- › Heat-Resistant Design – Suitable for casting and metal processing industries
- › High-Tension Hook & Shackle – Strong construction for safe overhead lifting
- › Backlit LCD Display Unit – Clear visibility in industrial lighting conditions
- › Industrial-Grade Load Cell Interface – Stable signal performance under heavy loads
- › Protected Internal Electronics – Designed for long service life and reliability

Key Features

- › **High Accuracy Class** – As per OIML C3
- › **Special High-Temperature Design** – Suitable for casting industries up to 1600°C
- › **Display:** 192×64 matrix LCD with backlight
- › **Multi-Function Operation** – Gross/Net weighing, Zeroing, Date & Time display
- › **Data Memory & Statistics** – Data storage, statistics, and search functions
- › **Overload Warning System** – Alerts when load reaches capacity
- › **Filter Function** – Improves stability in vibrating environments
- › **Low Battery Warning** – Prevents sudden power loss
- › **Power Saving Function** – Extends battery operating time
- › **Fast A/D Conversion Speed** – ≥ 50 times per second
- › **High Resolution** – Maximum internal code 1,000,000
- › **Quick Reading Stability** ≤ 5 seconds
- › **Safe Load Capacity** – 125% of rated capacity
- › **Limit Load Capacity** – 400% of rated capacity
- › **Long Wireless Distance** – Up to 200 meters (without obstacle)
- › **Operating Frequency** – 433 MHz

Power

- › Scale Battery: 6V / 4.5Ah lead-acid rechargeable, up to 50 hours
- › Indicator Battery: 6V / 7Ah lead-acid rechargeable, up to 50 hours
- › Load Cell Input Voltage – DC 5V
- › Power-On Zero Range – 20% of capacity
- › Manual Zero Range – 4% of capacity
- › Tare Range – 100% of capacity
- › Operating Humidity Range – ≤ 85% RH at 20°C

Min Distance Between Scale and High Temperature

The minimum distance between a heat-proof crane scale and a high-temperature source can vary based on the specific design and heat resistance ratings of the crane scale. Generally, here are some guidelines:

Manufacturer Specifications: Always refer to the manufacturer's guidelines for recommended distances. They often provide specific instructions based on the scale's heat resistance capabilities.

1000°C	1200°C	1400°C	1600°C
1.6m	1.8m	2m	2.2m

Technical Specifications:

Model	Part Code	Capacity	Division	A(mm)	C(mm)	E(mm)	H(mm)	Ø1 (mm)	Ø2(mm)	G.W.(kg)
STIPL-HS	CSHT01	1000kg	0.5kg	67	35	160	450	270	400	48
STIPL-HS	CSHT02	2000kg	1kg	67	35	160	450	270	400	48
STIPL-HS	CSHT03	3000kg	1kg	95	45	160	510	270	520	50
STIPL-HS	CSHT04	5000kg	2kg	113	55	185	625	325	520	56
STIPL-CS	CSHT05	10000kg	5kg	122	65	185	710	325	520	65
STIPL-CS	CSHT06	15000kg	5kg	144	70	185	835	325	520	90
STIPL-CS	CSHT07	20000kg	10kg	166	85	185	900	325	620	95
STIPL-CS	CSHT08	30000kg	10kg	285	100	220	1140	375	620	215

Application

- > Foundry industries
- > Steel manufacturing plants
- > Metal casting units
- > Metal treatment plants
- > Sheet metal industries
- > High-temperature industrial weighing areas

