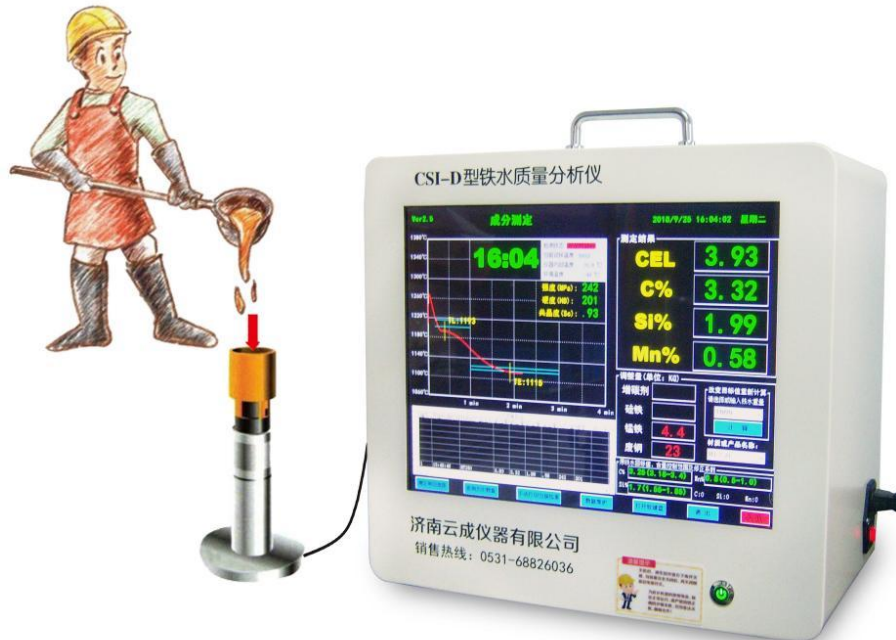


CSI-D Intelligent Carbon-Silicon-Manganese Analyser



➤ Purpose Overview:

CSI-D Intelligent Carbon-Silicon-Manganese Analyser enables rapid determination at the furnace front of carbon equivalent, carbon content, silicon content, manganese content, spheroidisation rate, tensile strength, and hardness assessment for primary iron melts including grey iron, malleable iron, ductile iron, and vermicular iron. It finds extensive application across metallurgy, foundry, and machining industries.

➤ Key features:

Measurement function: CSI-D employs suitable measuring cups and utilises thermal analysis methods to determine various parameters within cast iron.

Data retention function: Data may be recorded at predetermined intervals, with capacity for over

1,000 measurement results.

Calculation function: Automatic/Manual Calculation of Adjusted Ingredient Top-Up Quantity

Data output function: Optional USB port (flash drive) or RJ45 interface (network cable port) for transferring output data to other computers.

History Replay Function: Historical measurement data and cooling curve diagram reproduction.

➤ Measurement Range and Accuracy:

Name of Test Item	Measuring range	Measurement accuracy
carbon equivalent (CEL)	2.50%~4.80%	±0.08%
Carbon content (C%)	2.30%~4.20%	±0.05%
Silicon content (Si%)	0.60%~3.80%	±0.10%
Manganese content (Mn%)	0.10%~1.40%	±0.15%
Spheroidization rate	60%~99%	±5%
Tensile strength	150~400MPa	±10MPa
Brinell hardness	100~300HB	±10 HB

➤ Random Standard Configuration:

Serial Number	Name	Specifications	Quantity	Note
1	Host	CSI-D	1PCS	
2	Sample Cup Base	Square or round	1PCS	
3	Power cord		1PCS	
4	Temperature measurement line		3M	Mounted on the sample cup base
5	Fuse		1PCS	Plug into an electrical outlet
6	Mouse		1PCS	
7	Packing List		1PCS	



-----Thank you for your interest !

8	Product Manual		1PCS	
9	Certificate of Conformity		1PCS	
10	Product Warranty Card		1PCS	