



The ETS CE Pro Analyser, known as a Carbon Equivalent (CE) Meter, is a high-precision instrument designed for rapid and accurate thermal analysis of molten cast iron. It determines Carbon Equivalent (CE), Carbon (C), and Silicon (Si) content in real time, enabling foundries to optimize melt chemistry, reduce rejects, and improve metallurgical quality.

Using a disposable thermal analysis cup and advanced temperature-sensing algorithms, the CE meter measures the solidification curve of molten metal and instantly calculates alloy composition. Its rugged design, intuitive interface, and quick response make it ideal for harsh foundry environments where speed and reliability are critical.

KEY FEATURES



Real-Time Analysis



Multiple Measurement Modes



Low Operating Cost



Clear Display



Portable & Robust



Fast Response



User-Friendly Interface



High Accuracy





TECHNICAL SPECIFICATIONS

Parameter	Value
Measurement Parameters	Carbon Equivalent (CE), Carbon (C), Silicon (Si)
Measurement Principle	Thermal analysis of molten metal solidification curve
Applicable Materials	Gray cast iron, ductile iron, and other cast irons
Display	High-contrast LCD / LED digital screen
Temperature Range	1280°C to 1350°C
Resolution	0.01% for C, Si, CE
Accuracy	±0.03% (for CE & C under standard conditions)
Response Time	20–30 seconds per test
Cup Compatibility	Standard tellurium and non-tellurium cups
Power Supply	AC 220V ±10%, 50/60 Hz
Dimensions	Approx. 300 × 200 × 150 mm (varies by model)
Weight	~5–8 kg (portable unit)
Data Output	USB / RS-232 / optional printer
Operating Temperature	0°C to 50°C
Storage Temperature	–20°C to 70°C
Accessories	Carbon cups, thermocouple tips, connecting cables