Product name:	Product code:
Optical Emission Spectrometer for Metal Alloy Analysis	CMI-IND-0306

Description

Spark OES analyser that identifies grade and measures alloying elements in steel, cast iron and aluminium. Installed in foundries and incoming material inspection labs. Results come within about half a minute and are matched to grade tables.

Technical specification

- Electrode set
- Standardisation samples
- Argon regulator

An argon-flushed spark stand excites the sample and a CCD optic reads the emission lines for C, Si, Mn, P, S, Cr, Ni and more. Results are compared to a grade library in seconds.

Features

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- Multi-matrix OES, quartz-stabilised
- Argon purged optical chamber
- Digital spark source with 1000 Hz repetition
- Grade library with PASS/FAIL matching
- PC software with report templates

Technical Specifications

Wavelength range	130 to 800 nm
Matrices	Fe, Al, Cu, Ni
Detection limit (C in steel)	approx. 0.002%
Analysis time	20 to 40 s
Argon consumption	3 to 5 litre/min
Spark stand	Open type for large parts
Power	230 V AC, 50 Hz, 1.5 kVA
Standards	ASTM E415, ASTM E1251

Standard Accessories