

# **beleec** **COMPACT PORT HLC**



**Mobile Precision in Metal Analysis**



# beleec

## COMPACT PORT **HLC**

**Your reliable companion for mobile metal analysis.  
Robust, modern and unbeaten flexible.  
Ideal for laboratory and on-site use.**

### **SAFE, FAST AND PRECISE**

Up to 70 chemical elements in metals can be reliably detected in just a few seconds. Thanks to careful sample preparation, there is hardly an analysis task that it cannot master.

- Analysis of phosphorus (P) and sulfur (S) with the UV+ probe
- Analysis of nitrogen in duplex steels
- Mix-Up-Tests (PMI) in seconds with the air probe
- Analyze wires, pipes or small parts in almost any variety of dimensions with our special adapters

### YOUR ADVANTAGES AT A GLANCE:

- **LIGHT WEIGHT AND PORTABLE**  
Sturdy trolley offers mobility and stability and storage space for accessories.
- **ERGONOMIC SPARKING PROBES**  
Flexible optical fibre up to 8 m length.
- **BATTERY POWER SUPPLY OPERATION POSSIBLE**  
Powerful battery for mobile use.
- **EASY TO USE**  
Intuitive touchscreen – fast and user-friendly.
- **COMPREHENSIVE ANALYSIS**  
Detects up to 70 elements in seconds, including C, P, S, B, Sn, N.





## SOFTWARE

- Latest Microsoft Windows
- Belec analysis software
- Customized measurement programs
- Integrated dynamic material database

## SIMPLE-TO-USE PLUG SYSTEM – 3 SPARKING PROBES – THE RIGHT SOLUTION FOR EVERY ANALYSIS

The Belec Compact Port HLC offers you maximum flexibility: It can be equipped with three different sparking probes that are optimally tailored to your specific requirements. Each probe has been developed to ensure precise results in different application scenarios.



## CHOOSE FROM THREE MODELS:

Sparking probe features	UV+ probe	Argon probe	Air probe
Argon-flushed sparking probe incl. C-analysis	●	●	–
Argon-flushed sparking probe incl. P, S, N*-analysis	●	–	–
Probe connector system	●	●	●
Quick mix-up checking	–	–	●
Multi fibre quartz optics, 3 m to 8 m*	●	●	●
Adapters for tubes, wires + small parts	●	●	●
Non-destructive material testing	●	●	●

# FLEXIBLE SOLUTIONS FOR ANY PROBE

With our specially designed adapters, you can easily analyze even challenging samples such as wires, pipes or small parts. We also offer individual additional solutions that make your work easier and improve the results.



V125 / Technical changes reserved / \*optional

## TECHNICAL SPECIFICATIONS

**Optics** • Spectrometer in Paschen-Runge mounting • Rowland circle diameter 300 mm • Usable wavelengths 145–410 nm • Zeiss grating with 3600 grooves/mm • Reciprocal dispersion 0.9 nm/mm • Shock-resistant • Temperature-stabilized detectors

### Sparking probes

• Argon-flushed probe for precise analysis

including C, P, S, N

- Air probe for quick mix-up tests
- Adapter for wires, pipes and small parts available for all probes
- Multi-fibre quartz light fibre
- Standard length 3 m (up to max. 8 m)
- No-wear tungsten electrode
- Configurable spark parameters
- Optional arc excitation

### Dimensions/weights

- 420 x 200 x 490 mm / 16.5 x 7.87 x 19.3 in (W x H x L)
- Analyzer 23.00 kg (50.7 lb)
- UV+ probe 1.75 kg (3.85 lb)
- Argon probe 1.30 kg (2.86 lb)
- Air probe 0.80 kg (1.76 lb)

### Electrical specifications

- 230 V/50 Hz or 110 V/60 Hz
- 70 W standby
- 550 W analysis

### Computer hardware

- System-integrated industrial computer
- Minimum 250 GB SSD
- Touch display
- Industrial keyboard in protective lid
- USB ports
- Ethernet port

## THE MOBILE SPECTROMETER FOR EVERY APPLICATION

Ideal for workshops, construction sites, scrap yards and much more. Contact us!

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