

READY FOR THE PHMSA MEGA RULE ?



## THE ALL NEW **BELEC DE-TECT**

PORTABLE. PRECISION.

**The most lightweight portable spectrometer, yet the most accurate**

Again Belec – as the inventor of mobile spectroscopy- sets new modern standards for anyone who expects ultimate accuracy and precision in the most compact spark OES.

The new **Belec de-tect**, combined with the newly designed **FUSION PROBE**, provides everything you want.



With the weight of only 12 kg /27lb it is easy to carry it to almost any location or use the option of a 10m/32ft cable. The Fusion Probe with the integrated touchscreen allows full access to all functions.

# **belec de-tect**

SPEKTROMETRIE OPTO-ELEKTRONIK  
**belec**

RELIABLE. QUALITY. CONTROL.



## PRODUCT HIGHLIGHTS:

- Longest umbilical on the market, practically any length  
→ easy access to pipe racks
- Low argon consumption → low operation costs
- Probe read out screen → highest convenience
- Robust optics/probe design, All the analysis takes place in the probe (no need for fiber replacement due to aging)
- Easy to use UI
- Post analytical calculations done simply ( Add/Edit CE or other formulas)
- Integrated, Customizable grades library
- Easy standardization/types
- Temperature stabilized → Ready for any climate!
- Highest level of accuracy and precision ( incl. UV-elements C, P, S and yes, even trace elements)
- PMI/Field ready
- Adapters for virtually all shapes and sizes
- Light weight Aluminum aircraft grade reinforced plastic housing, moisture proof
- Near maintenance free

### Technical Data

#### Software

- NEW BelecLABOES software
- Customer specific programs
- Automatic grade identification
- Integrated, dynamic alloy database
- Data Export through WIFI, USB in several formats

#### Source

- Max. 400 Hz frequency
- Unipolar discharge

#### Sparking Probe

- Fusion probe with integrated optics and 5" touchscreen
- Low argon consumption
- near maintenance free
- No-wear electrode
- Adapter for wires, tubes etc.

#### Optics

- Double-spectrometer with Flat-field CCD Detectors, argon flushed for UV Elements (C, S, P), integrated in Fusion-Probe
- Wavelength range: 170 – 420 nm
- MCDC System (Multimatrix-Channel Drift Correction)

#### Dimensions

Width	19.7 in. (500 mm)
Height	14.1 in. (360 mm)
Depth	7.1 in. (180 mm)
Weight main unit:	27.5 lb. (12,5 kg)
Probe:	5.3 lb (2,4 kg)

#### Power Supply

- 230 V/50 Hz or 115 V/60 Hz
- Optional battery
- 11 W/Stand-by, 670 W/Analysis

### Belec Spektrometrie Opto-Elektronik GmbH

Hamburger Str. 12  
49124 Georgsmarienhütte  
Deutschland / Germany

Fon +49 5401 8709-0  
Fax +49 5401 8709-28  
info@belec.de | www.belec.de

# belec de-tect

SPEKTROMETRIE OPTO-ELEKTRONIK  
**belec**

RELIABLE. QUALITY. CONTROL.