



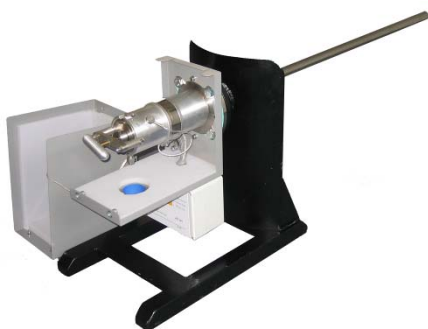
JCT Gas Conditioning Range

PORTABLE SAMPLE PROBE—JPES

- Extremely portable and lightweight
- Easy set-up & maintenance without tools
- NO cold spots - *ZERO cold spot technology*
- Complete unit (probe and heated hose)
- Rugged carry case, rugged construction
- Integrated power supply and controller
- Quick connect fittings (NO LEAKS!)
- Comprehensive list of options for different applications



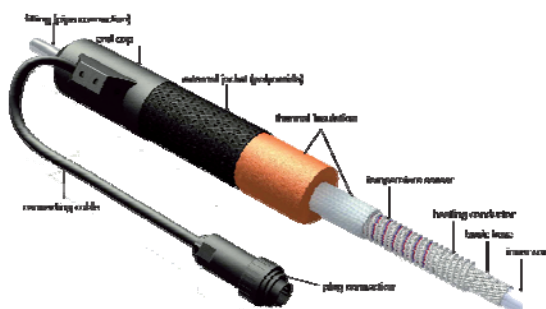
SAMPLE PROBE - JES 301



- Easy Maintenance without tools
- No cold spots
- Rugged construction
- Large filter element (135mm x 40mm)
- Gaskets located on filter
- 140°C – 1200°C (Teflon, Kanthal, SS)
- In-situ 2 μ pre-filter for dust loads up to 20g/m³
- In-situ V-deflector for very high dust loads
- Heated sample tubes

HEATED HOSES

- High quality hoses
- Hand manufactured
- Small bend radius
- No cold spots
- Very long life
- EX versions
- Various tube materials & sizes
- HAF hose with filter
- Different external jackets (PA/metal/Silicone)



GAS CONDITIONING UNITS - JCC AND JCP



- Peltier or compressor based cooling
- Turnkey complete gas conditioning unit
- Portable or 19" rack versions
- With gas pump, filter, flowmeter & condensate detector

NO² CONVERTER—JNOX

- Long life cartridge - up to 4 years
- Efficiency > 96% (during lifetime)
- Field approved high flow design



GAS COOLERS

JCT Series

- Dewpoint measured in heat exchanger
- All internal tubing paint protected
- High performance compressor



JCT—ATEX Series



- ATEX certified
- Up to 4 gas paths
- Temperature display
- High reliability
- Field approved

JCM Series

- High performance peltier
- Compact & lightweight
- Field approved
- Accessory options



JCL Series

The new JCL series coolers and conditioner offer outstanding industry leading standards

- +3oC Extremely stable dew-point
- Gas inlet dewpoint + 65oC
- Gas dissolution rate <6% (SO₂)
- 1 up to 4 gas paths
- Small volume PVDF cooling lock
- Exceptional short response time
- Self cleaning and no clogging
- Solder joints protected against corrosion
- Self monitoring electronics with integrated display and signal/alarm outputs (remote monitoring)



ACCESSORIES

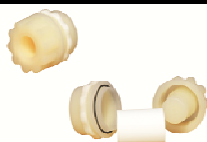
Pre-Condensate Separators

- Safe condensate removal
- 100% reliability
- Easy to clean
- Cost effective



Gas Filter—JF1

- High chemical resistance
- Minimal dead space



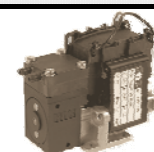
Condensate Detector—KW-2

- Reliable condensate detection
- Adjustable sensitivity
- High frequency measurement
- Short circuit detection



Sample Pumps

- Long operational life
- Low maintenance
- Low vibrations



JCT ANALYSENTECHNIK GMBH—COMPANY OVERVIEW

JCT Analysentechnik is a high quality specialist manufacturer of gas conditioning components. Founded in 1992, we produce a wide range of reliable, low maintenance and long life equipment because the best analyser is worthless without an outstanding sampling and conditioning system.

With our worldwide network of distributors and OEM customers our products and solutions are successfully deployed in leading power generation plants, the cement, mineral, iron & steel industry, the manufacturing industry, waste incinerators and also authorities, institutes and universities.

