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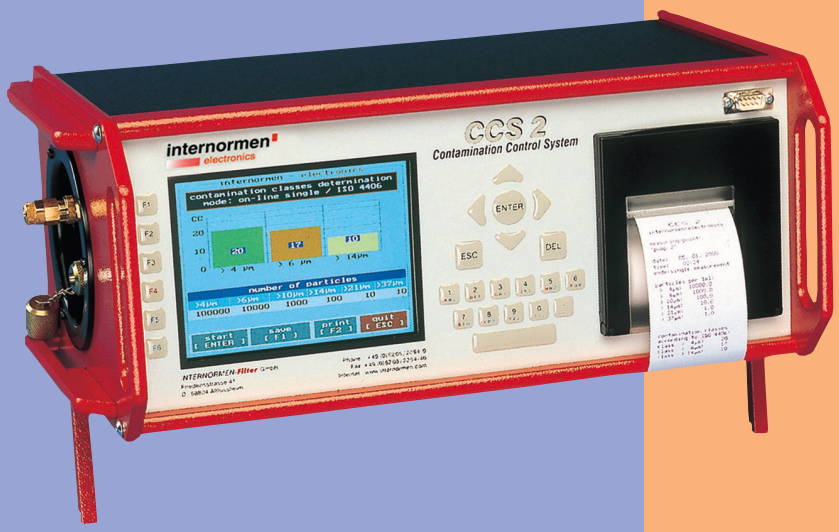
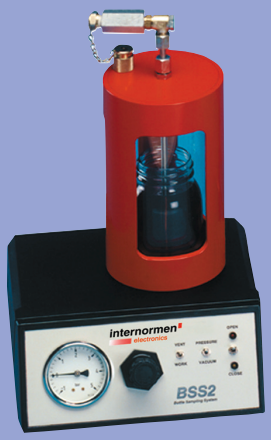
CCS 2 - Contamination Control System



- **Online - particle counter with laser sensor for hydraulic and lubricating oils**
- **Measuring system with highest precision for the mobile and stationary application**
- **Evaluation of bottle samples in lab quality with additional bottle sampling system BSS 2**
  Determination of contamination classes according to the standards :
- **ISO 4406:99, ISO 4406:87, NAS 1638**

BSS 2 - Bottle Sampling System



- **Supply and processing system for an optimal evaluation of bottle samples in connection with the CCS 2 - measuring system**
- **Vacuum generation for degassing of the oil samples after their processing**
- **Pressure generation to guarantee the oil feeding to the mobile measuring system CCS 2**

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CCS 2
Contamination Control System

- **Online - particle counter with laser sensor for hydraulic and lubricating oil**
- **Classification of contamination classes according to the standards ISO 4406:99, ISO 4406:87, NAS 1638**
- **Measuring system with highest precision for the mobile and stationary application (mains- or battery-powered), also for dynamic operation conditions**
- **Evaluation of bottle samples in lab quality with additional bottle sampling system BSS 2 (optional)**
- **Automatic control of contamination classes with control signal output when exceeding the limits**
- **User - friendly comfortable software with special measuring programmes for continuous, cyclic or single measurements as well as for evalution of bottle samples**
- **Internal storage and management of measuring data**
- **Output of the measuring data on TFT - display and integrated printer**
- **RS 232 – Interface for transmission of the measuring data to external PC**
- **Excel - data management software for input and management of the measuring data in external PC**

Technical data :

Measuring system :	**Light gate principle with laser sensor (670 nm)**
Counting system :	**8-channel particle counting ≥4µm, ≥4,6µm, ≥6µm, ≥6,4µm, ≥10µm, ≥14µm, ≥21µm, ≥37µm**
Calibration :	**ISO-MTD in oil (ISO 11171)**
Input operation pressure :	**1,5 - 420 bar**
Viscosity :	**10 - 400 mm²/s**
Weight :	**10,8 kg**
Dimensions :	**445 x 180 x 255 mm**
Connections :	**Mini-measuring connection with screw coupling M 16x2, Connector coupling for hose DN 6**
Storage capacity for measuring values :	**4 x 100 measuring values**
Power supply :	**90 .. 250 V AC 50/60Hz, 12 V DC, Internal Accu 12V DC**

BSS 2
Bottle Sampling System

- **Supply and processing system for an optimal evaluation of bottle samples in connection with the CCS 2 – measuring system**
- **Vacuum generation for degassing of the oil samples after their processing**
- **Pressure generation to guarantee the oil feeding to the mobile measuring system CCS 2**

Technical data :

Pressure range :	**0 ... 4 bar**
Vacuum range :	**0 .... -0,95 bar (-95 kPa)**
External feeding pressure :	**min. 5 bar, max. 10 bar, air volume Q_{min}= 40 l/min**
Feeding pressure connection:	**Quick coupling NW 7.2**
Hose connection :	**Mini-measuring connection with screw coupling M 16x2**
Weight :	**6,5 kg**
Dimensions :	**220 x 240 x 390 mm**
Power supply :	**110 .. 230 V AC, 12 V DC**

E-12/02

INTERNORMEN-Filter

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