











Parker icountLaserCM  
 , icountLaserCM 2  
 icountLCM20  
 BS EN 60825:1992 IEC 60825-1( )  
 ISO icountLaserCM 2  
 . countLaserCM

**MTD**

icountLaserCM MTD 교정 제품이 주요 'ISO 11171 교정 자동식 입자 카운터'의 인증을 받았습니다. 모든 MTD 레이저 CM20은 ISO 11943을 통하여 ISO 4406:1999 기준을 인증받았습니다.

**icountLCM20**  
**SPS 사용**



**MTD 이해하기**

ACFTD(Air Cleaner Fine Test Dust: 공기청정기 미세 검사 먼지)는 1960년대에 구성되었으나, 더 이상 제공되지 않는다. 이 먼지의 쇠퇴로, 새로운 먼지 MTD가 채택되었다. MTD(Medium Test Dust: 중간검사먼지)는 입자크기분포가 ACFTD와 비슷하며, 대체용으로 선택되었다. 그러나 MTD가 제공한 결과는 ACFTD의 경우와 다소 달라서, NIST(National Institute of Standards & Technology: 국립표준기술연구소)는 ISO MTD의 입자크기분포를 승인하기 위한 프로젝트를 수행했다. 그 결과, 10µm 미만의 입자크기가 이전에 측정된 것보다 큰 것으로 나타났다. NIST에 기준하여 보고된 입자크기가 µm (c) 로 표현되며, 여기에서 c는 certified(승인)이라는 의미이다. 따라서, icountLCM20 보고 사이즈는 다음과 같다.

ACFTD	MTD
2µ	4µ (c)
5µ	6µ (c)
15µ	14µ (c)
25µ	21µ (c)
50µ	38µ (c)
100µ	70µ (c)

MTD는 정확한 추적성, 개선된 입자크기 정확도, 및 더 나은 배치(batch)간 재현성을 제공합니다.

# icountLaserCM20

## 휴대용 입자 카운터

왜 현장 액체오염감시가 필요한가?

- 액체 청정도 증명.
- 중요한 시스템의 심각한 고장을 예방하기 위한 초기 경고 계측.
- 실험실 정확도의 즉각적인 결과.
- 고객의 청정도 요건 및 규격 만족.
- 새로운 설비 보증 준수.
- 새로운 오일 청정도 검사.



### Data Download Management

Dedicated software, provides the link between an icountLaserCM20 and the H<sub>2</sub>Oil - Water in Oil monitor and your computer management system.



16-column printer for hard copy data. A feature of the icountLaserCM is the on-board printout data graphing option developed to support predictive maintenance procedures.

icountLaserCM Test		icountLaserCM Test	
ON LINE TEST		ON LINE TEST	
TEST NUMBER 022		TEST NUMBER 022	
		D M Y	
Date	04-03-10	Date	04-03-10
Time	15-52	Time	15-52
ISO:	20/15/09	NAS CLASS:	7
Count / 100ml		Count / 100ml	
>4µ (c)	820721	4/6µ (c)	789157
>6µ (c)	31564	6/14µ (c)	31250
>14µ (c)	314	NAS CLASS	7
>21µ (c)	64	14/21µ (c)	250
>38µ (c)	14	NAS CLASS	3
>70µ (c)	0	21/38µ (c)	50
NOTES		NAS CLASS	3
		38/70µ (c)	14
		NAS CLASS	4
		>70µ (c)	0
		NAS CLASS	0
		NOTES	

ISO 4406 - 1999

Correlation to NAS 1638

## Introducing the new icountLCM 'Classic'

There is a new addition to the proven range – the icountLCM 'Classic'. Only available from Parker, the 'Classic' retains all the technology that made the icountLaserCM one of the most accurate, reliable and popular portable particle counters available.

Our design engineers have re-configured the icountLaserCM specification in a way that has reduced our manufacturing costs. These savings have been passed onto icountLCM 'Classic' customers.

### How have we done this?

Parker listened to our existing customers and then to the engineers and maintenance operatives to find out the features that make the icountLaserCM a unique predictive maintenance instrument.

Then, we removed peripheral items such as the aluminium case and all the accessories, so a customer receives the icountLCM, with a CD user guide, professionally and securely boxed. One thing that has not altered is the icountLCM accuracy and icountLCM reliability. Our in-house software engineers have re-configured the EPROM, removing Data programming, User ID, Automatic Testing, Data retrieval, Alarm level settings, the barcode pen and Graph printing functions to reduce costs still further without in any way reducing the efficiency of the icountLCM. The icountLCM 'Classic' remains an instrument to be proud of.



## Ordering Information (icontainsLaserCM and 'Classic' icountLaserCM)

### Standard products table

Part number	Supersedes	Description
<b>LCM202022</b>	LCM20.2022	icontainsLCM20 (MTD calibrated)
<b>LCM202026</b>	LCM20.2026	icontainsLCM20 'classic' (MTD calibrated)
<b>ACC6NE015</b>	B84702	Printer roll x 5
<b>ACC6NE014</b>	P.843702	Printer ribbon
ACC6NE013	B84609	Re-chargeable battery pack
ACC6ND002	P849603	Weather protector cover
ACC6ND000	B84703	USB to RS232 Download Cable

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

### Product configurator

Model	Fluid type		Options	
<b>LCM2020</b>	<b>2</b>	Hydraulic mineral	<b>1</b>	icontainsLCM20 (ACFTD calibrated)
		Skydrol	<b>2</b>	icontainsLCM20 (MTD calibrated)
			<b>5</b>	icontainsLCM20 'classic' (ACFTD calibrated)
			<b>6</b>	icontainsLCM20 'classic' (MTD calibrated)
			<b>7</b>	icontainsLCM20 with CMP (ACFTD calibrated)
			<b>8</b>	icontainsLCM20 with CMP (MTD calibrated)

Note 1: Part numbers featured with bold highlighted codes will ensure a 'standard' product selection.

Note 2: Alternate displayed part number selection will require you to contact Parker Filtration for availability.

Note 3: Option 7 and 8 with CMP (Case mounted pump).

