CERTIFICATE OF CALIBRATION

ISSUED BY **OPUS METROLOGY LTD.**

DATE OF ISSUE 15th January 2001 CERTIFICATE NUMBER 65430

UKAS
CALIBRATION
No. 0233

OPUS

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APPROVED SIGNATORY

P A Eddy

DESCRIPTON: Gauge blocks. Material: T CARBIDE

TYPE: INDIVIDUAL **SET SERIAL NO.:** S0026387A

MANUFACTURED BY: Opus Metrology Ltd

CUSTOMER: Intec Bassersdorf AG
for:- Intec Bassersdorf AG,
Bassersdorf, SWITZERLAND

ORDER NO: 35899

BASIS OF TEST: ISO 3650:1998 Grade : K

TRACEABILITY: Master Gauge Sets: 95864/A171/OPUS
Comparators: A175

TEST CONDITIONS: All measurements were performed at 20° C ± 1°

MEASUREMENT OF LENGTH: The measured central length of each gauge in this set has been determined by comparison against a traceable calibration standard manufactured from a similar material.
The deviations of measured central lengths from nominal are recorded on page 2.

VARIATION IN LENGTH: The variation in length for each gauge has been calculated from measurements taken at the centre and towards each corner of the measuring face .

FLATNESS: Each gauge has been examined for flatness of its' measuring faces on a Fizeau Interferometer using a Helium Neon laser light source.

All measured values obtained from the above examination were found to comply with the requirements of the above specification.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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UKAS ACCREDITED CALIBRATION LABORATORY No **0233**

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Nominal mm	Ser. No	Deviation µm	Nominal mm	Ser.No.	Deviation µm	Nominal mm	Ser.No.	Deviation µm
10.00000	00083E	+0.04						

UNCERTAINTY OF MEASUREMENT ±

Up to and Including	
10mm	0.08µm
25mm	0.10µm
50mm	0.12µm
75mm	0.15µm
100mm	0.18µm