


OIML Member State United Kingdom of Great Britain and Northern Ireland	OIML Certificate No. R60/2000-A-GB1-18.04
OIML CERTIFICATE ISSUED UNDER SCHEME A	
OIML Issuing Authority	NMO Stanton Avenue Teddington TW11 0JZ United Kingdom
Person responsible:	Mannie Panesar – Head of Technical Services
Applicant	Botek Systems AB Box 35, Rönnåsgatan 5A 523 21 Ulricehamn SWEDEN
Manufacturer	Botek Systems AB Box 35, Rönnåsgatan 5A 523 21 Ulricehamn SWEDEN
Identification of the certified type	B2200 Shear Beam <i>(the detailed characteristics are defined in the Descriptive Annex)</i>
<p>This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):</p> <p>OIML R 60, Edition: 2000</p> <p>For accuracy class: C3</p>	
<p>Issue date: 16 May 2018</p> <p>The OIML Issuing Authority</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div data-bbox="188 1765 783 1989">  <p>Grégory Glas Lead Technical Manager <i>For and on behalf of the Head of Technical Services</i></p> </div> <div data-bbox="1241 1798 1353 1989" style="text-align: right;">  <p>0135</p> </div> </div>	

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. P02437 dated 16 May 2018 that includes 3 pages

The technical documentation relating to the identified type is contained in documentation file:

No. P02437-D dated 16 May 2018.

OIML Certificate History

Revision No.	Date	Description of the modification
Revision 0	16 May 2018	Certificate first issued

No revisions have been issued.

Important note:

Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

DESCRIPTIVE ANNEX

Characteristics of the Load Cell:

	Designation	Value		Units
Accuracy Class		C3		
Additional marking		CH		
Maximum number of load cell verification intervals	n_{LC}	3 000		
Maximum capacity	E_{max}	8 000	12 000	kg
Minimum dead load, relative	E_{min}/E_{max}	0		%
Minimum load cell verification interval	v_{min}	0.8	1.2	kg
Relative v_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/v_{min}$	10 000		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	5 000		
Rated output		1.3	2.0	mV/V
Excitation voltage		5 - 15		V dc
Input impedance (for strain gauge load cells)	R_{LC}	387		Ω
Temperature rating		-10 / + 40		$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	200		% F.S
Apportionment factor	P_{LC}	0.7		
Cable length:		≤ 12		m
Additional characteristics:		4 or 6 wire		
Transducer material		Stainless steel		
Atmospheric protection		Hermetic Welded		
Output impedance		351		Ω
Tolerance of Input / Output impedance		+/- 5		%
Reference excitation voltage		10		V
Cable cross-section		0.5		mm ²

The above identified Type (represented by the sample(s) identified in the OIML Test Report) have been found to comply with the additional national requirements established by the United States of America (NIST Handbook 44 and NCWM Publication 14), included in the Utilizer Declaration:

- R60 OIML-CS rev. 2, Additional requirements from the United States Accuracy class III L;
- R60 OIML-CS rev. 2, Additional requirements from the United States Marking requirements.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-A-GB1-18.04	16 May 2018	Certificate first issued.
-	-	No revisions have been issued.