Data Sheet

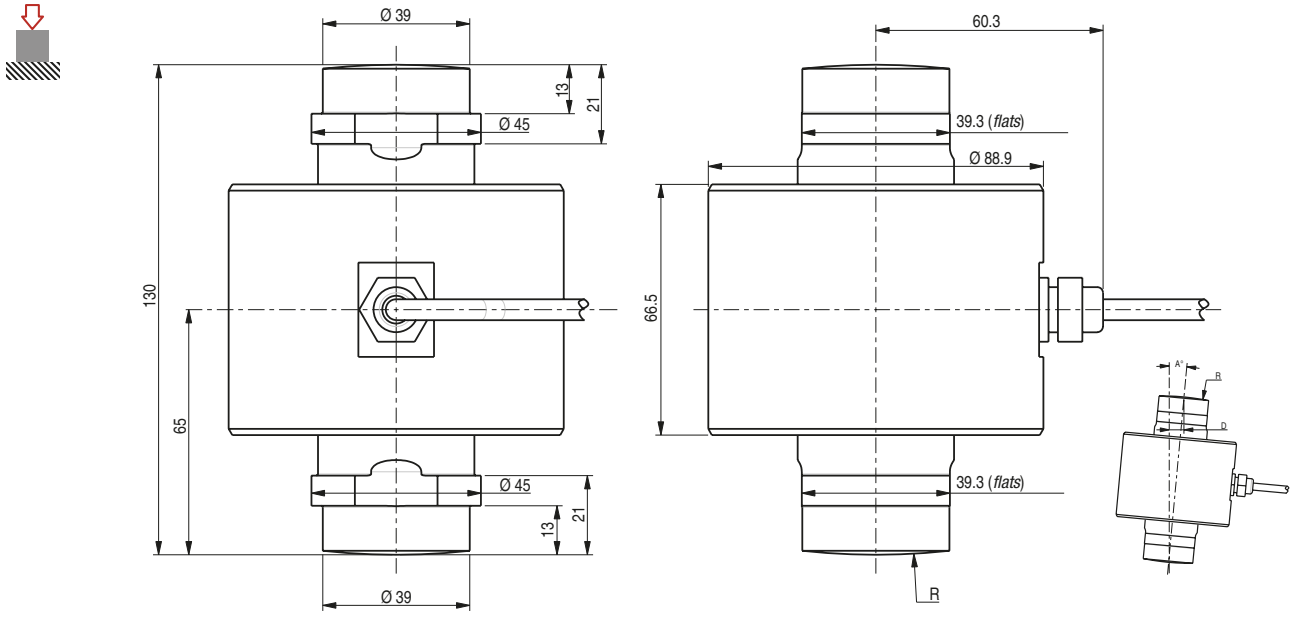
Load cell - Digital compression

CB50X-DL

20 t ... 60 t

Plates kit sold separately

- *Made of stainless steel welded IP68*
- *5 000 d OIML R60 approved*
- *RS485 digital output signal*
- *Spherical and self-centering base*
- *Ideally suited for weighbridge use*
- *Rodent protection as standard (AR)*
- *Integrated ESD protection*
- *Lightning protection integrated to DLCJB box*



- Before use, please consult our technical note concerning the mounting instructions (NT WEIGHBRIDGE)

Type >>	5, 10 t	20 t	30 t	40 t	60 t
R (mm)	130	160	180	200	220
A° max.	6.4°	4.4°	3.7°	3.1°	2.4°
D max. (mm)	14.5	11	10	7	5.5
F (%)	11.2	11.2	11.6	11.2	10.1

D max. : *Max.permissible lateral displacement of load introduction*
A° max. : *Slope at D max.*
F : *Restoring force at D max. (% of applied load)*

All dimensions in mm. Dimensions and specifications do not constitute any liability whatsoever. Technical drawings are available on request.

Wiring					
+ alim.	- alim.	RS485 Out		RS485 In	
+ excit.	*- excit.*	A+	B-	A+	B-
white	*brown*	*green*	*yellow*	*grey*	*pink*

CB50X-DL

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Specifications

METROLOGICAL	C4 10e	
Rated capacity (Cn)	20, 30, 40, 60	t
Combined error	±0.014	%Cn
Temperature effect on zero	±0.0016	%Cn/°C
Temperature effect on sensitivity	±0.0012	%Cn/°C
Creep error (30 min.)	±0.021	%Cn
LEGAL METROLOGY OIML R60		
Accuracy class	C4	
Maximum capacity (E_{max})	20, 30, 40, 60	t
Max. number of LC intervals (n_{max})	4 000	d OIML
Minimum verification interval (v_{min})	Emax/10 000	t
$Z=E_{max}/(2xDR)$	4 000	
ELECTRICAL		
Nominal range of excitation voltage	7.5 ... 16	V
Rated output at Cn	200 000	digits
Current consumption	Typ 35	mA
Converter rate	Delta-sigma	
Internal resolution	24	bit
Conversion type	max. 100	conv./sec.
RS485 interface	2 wire / half-duplex	
- Communication rate	4 800 ... 19 200	bit/sec.
- Number of slaves	max. 32	
GENERAL		
Compensated temperature range	-10 ... +40	°C
Service temperature range	-20 ... +60	°C
Safe load limit	150	%Emax
Ultimate overload	300	%Emax
Protection class	IP68	EN 60529
Material		
Measuring body	Stainless steel	
Cable gland	Nickel plated steel	
Cable sheath	PVC	
Anti-rodent armouring	Stainless steel	
Cable length	15	m
Net weight	3	kg
OPTIONS		
C5 version - on request	5 000	d OIML

Accessories

DLCJB

Kit LPS

Kit LPC

Distributed exclusively in Italy by Nonis Bilance

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