



LOAD WEIGHING DEVICE SYSTEM LOAD CELLS & UNIT CONTROL

ELEVATORS/ FREIGHT ELEVATORS

Dinacell electrónica, S. L.

Pol. Ind. Santa Ana. C/ El Torno, 8.

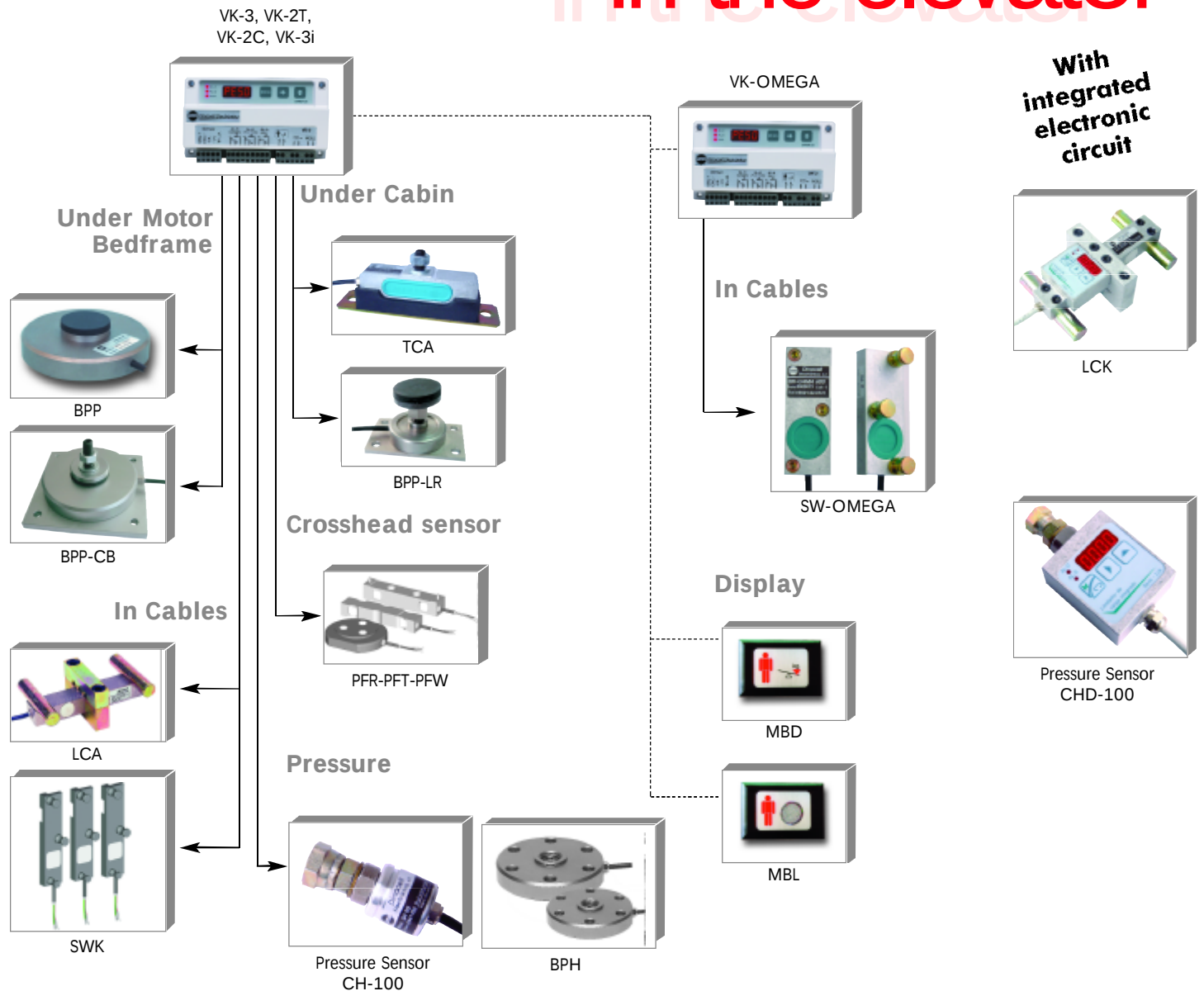
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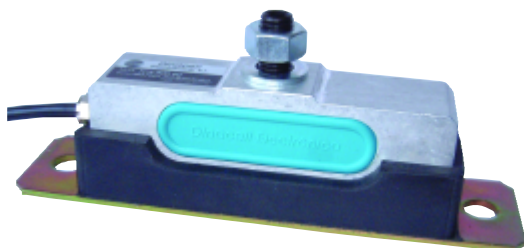
Imprinte: DINCOLOR, S.L. D.L. M-

The weighing system in the elevator



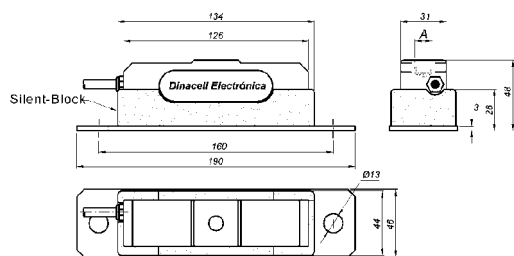
TCA 800

- ♦ Load cell for installation under cabin base.
- ♦ Mounted on the silent-block pad to avoid the transfer of vibrations.
- ♦ Connected to the unit control of the series **VK**, and can able to install a quantity of 8 cells in parallel.
- ♦ They are manufactured in 2 different kinds:
 - Individual Model TCA-800/I
 - Model in Group TCA-800/G (800x4=3.200 kg), where the four cells are active and it facilitates the electrical connection.
- ♦ “Auto-calibrated” No need to introduce a well-known weight in side the cabin for the adjustment.
- ♦ Model of maximum precision. It is recommended for the installation of new elevators.



Technical Characteristic

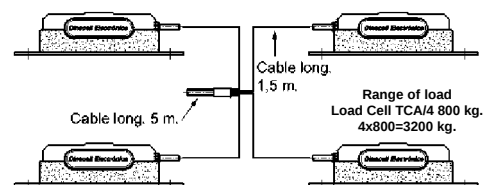
Sensibility	2 (mV/V) $\pm$ 1%
Tension of excitement	5...10V (max. 15V)
Temperatura range of work	-20 a +70 °C
Non linearity	<0.15 % F.E.
Non repeatability	<0.15 % F.E.
Hysteresis	<0.05 % F.E.
Combined error	<0.2 % F.E.
Input resistance	>1000 Ω
Output resistance	1000 $\Omega \pm$ 2
Insulation resistance (V. Test =100V)	>5.000x10 ⁶ Ω
Maximum work load	150 % F.E.
Load limit without lost of characteristic	200 % F.E.



Dimensions in mm.
A=M-10 or M-12

Load cells in group

Mod. TCA-800/G



Individual load cell

Mod. TCA-800/I

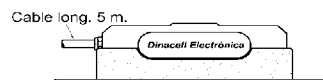
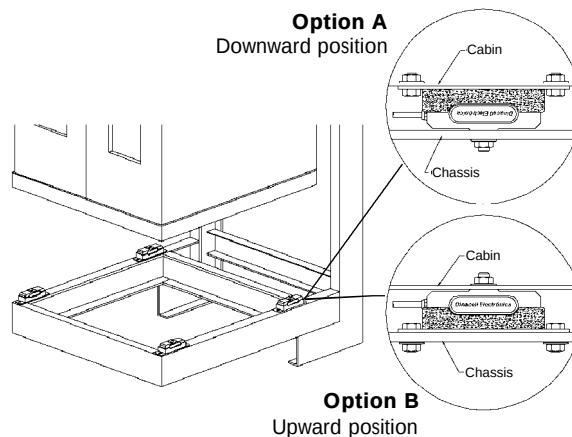


Diagram of Installation



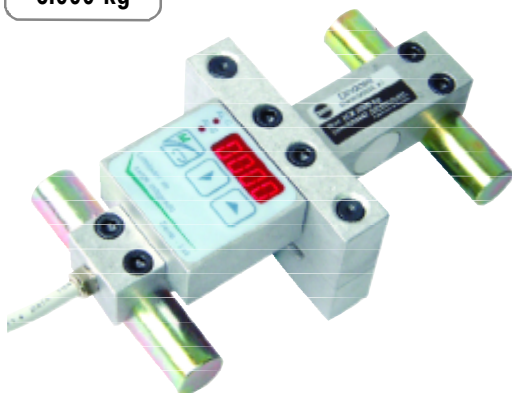
LCK

- ♦ Load limiter with integrated circuits, of great precision and stability for the measurement of the load in steel cables.
- ♦ Auto-calibrated". No need to introduce a well-known weight in cabin for their adjustment.
- ♦ Special software for chain compensation.
- ♦ It carry a "comprise clamp" for the limitation of weight in elevators and freight elevators.

Capacities

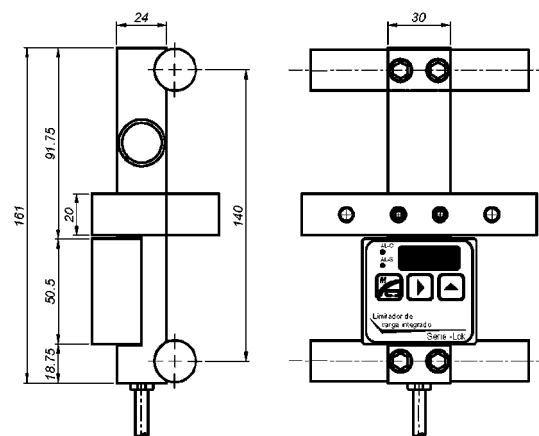
4.000 kg

6.000 kg

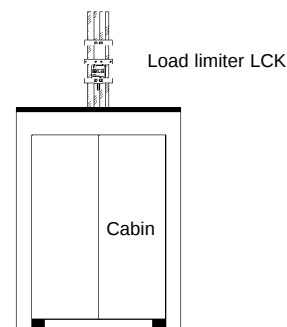
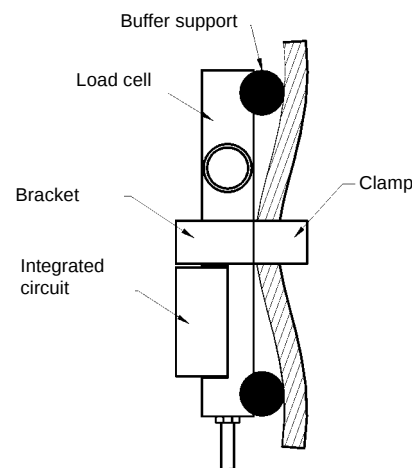


Technical Characteristic

Full scale	2.500 kg $\pm$ 5%
Non linearity	<0.15 % F.E.
Non repeatability	<0.15 % F.E.
Hysteresis	<0.05 % F.E.
Combined error	<0.2 % F.E.
Insulation resistance.... (V. Test =100V).	>5.000x10 ⁶ Ω
Maximum work load	150 % F.E.
Load limit without lost of characteristic	200 % F.E.



Dimensions in mm.



Cabin Display

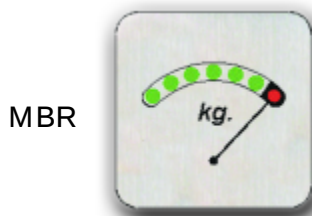
- ♦ Progressive indicator of the load.
The model MBL has also an integrated emergency light.
- ♦ Visual indicator of the full load.
- ♦ Visual and Sound indicator of the overload.
- ♦ Front panel made of stainless steel.
- ♦ Installation in frame panel, evened or with mark.
- ♦ 2 wires connections without polarity.



MBD



MBL



MBR

Note: For other designs and special measures,
please contact our commercial department.

LC-D CELLS TCA . TCE . SW . LCA . LCK . BPP . BPP-CB . BPP-LR . BPH .
SENDORES SW-GAMA . SW-OMEGA . SW-OMEGA PLUS . CABIN DISPLAY
MB . EQUIPOS VK-3 . VK-2T . VK-2C . VK-3I . VK-OMEGA . VK-OMEGA-
PLUS . VKL . ADS-420 . LOAD CELLS TCA . TCE . SW . LCA . LCK . BPP .
BPP-CB . BPP-LR . BPH . SENDORES SW-GAMA . SW-OMEGA . SW-OMEGA
PLUS . CABIN DISPLAY MB . EQUIPOS VK-3 . VK-2T . VK-2C . VK-3I . VK-
OMEGA . VK-OMEGA-PLUS . VKL . ADS-420 . LOAD CELLS TCA . TCE . SW .
LCA . LCK . BPP . BPP-CB . BPP-LR . BPH . SENDORES SW-GAMA . SW-
OMEGA . SW-OMEGA PLUS . CABIN DISPLAY MB . EQUIPOS VK-3 . VK-2T .
VK-2C . VK-3I . VK-OMEGA . VK-OMEGA-PLUS . VKL . ADS-420 . LOAD
CELLS TCA . TCE . SW . LCA . LCK . BPP . BPP-CB . BPP-LR . BPH . SEN-
DORES SW-GAMA . SW-OMEGA . SW-OMEGA PLUS . CABIN DISPLAY MB .
EQUIPOS VK-3 . VK-2T . VK-2C . VK-3I . VK-OMEGA . VK-OMEGA-PLUS .
VKL . ADS-420 . LOAD CELLS TCA . TCE . SW . LCA . LCK . BPP . BPP-CB .
BPP-LR . BPH . SENDORES SW-GAMA . SW-OMEGA . SW-OMEGA PLUS .
CABIN DISPLAY MB . EQUIPOS VK-3 . VK-2T . VK-2C . VK-3I . VK-OMEGA .
VK-OMEGA-PLUS . VKL . ADS-420 . LOAD CELLS TCA . TCE . SW . LCA .
LCK . BPP . BPP-CB . BPP-LR . BPH . SENDORES SW-GAMA . SW-OMEGA .
SW-OMEGA PLUS . CABIN DISPLAY MB . EQUIPOS VK-3 . VK-2T . VK-2C .
VK-3I . VK-OMEGA . VK-OMEGA-PLUS . VKL . ADS-420 . LOAD CELLS TCA .
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420 . LOAD CELLS TCA . TCE . SW . LCA . LCK . BPP . BPP-CB . BPP-LR .
BPH . SENDORES SW-GAMA . SW-OMEGA . SW-OMEGA PLUS . CABIN DIS-
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BPP . BPP-CB . BPP-LR . BPH . SENDORES SW-GAMA . SW-OMEGA . SW-
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3I . VK-OMEGA . VK-OMEGA-PLUS . VKL . ADS-420 . LOAD CELLS TCA .
TCE . SW . LCA . LCK . BPP . BPP-CB . BPP-LR . BPH . SENDORES SW-
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VK-2T . VK-2C . VK-3I . VK-OMEGA . VK-OMEGA-PLUS . VKL . ADS-420 .
LOAD CELLS TCA . TCE . SW . LCA . LCK . BPP . BPP-CB . BPP-LR . BPH .
SENDORES SW-GAMA . SW-OMEGA . SW-OMEGA PLUS . CABIN DISPLAY
MB . EQUIPOS VK-3 . VK-2T . VK-2C . VK-3I . VK-OMEGA . VK-OMEGA-
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