

## DIGITAL DISPLAY FOR LOAD CELLS

### CAM 11



**PANEL MOUNTING  
EXECUTION**

#### **Product description**

Electronic unit specifically designed for use as a precision load measuring instrument on general dynamometer and lifting systems.

Limiting up to four independent alarm unit signals is possible anywhere in field of measurement with output relays, by using relays of adequate capacity, given their reduced performance.

CAM 11 is compatible with several strain gage type load cells such as: tension/compression load cells, load measuring pins.

Alarm threshold setting, system calibration, parameter setup procedures can directly be front panel programmable via integrated keypad and display.

Automatic theoretical load calibration function is also available.

System-measured weight is indicated on a display under regular operating conditions.

CAM 11 is suited for panel embedded applications.

Alternatively is available the version for use in outdoor applications sealed to protection class

IP 55 and the Desk Rack version suitable for laboratories.

CAM11 can transmit the via a serial communication port measured weight to a high digit display, printer or different device and a PLC via an analog output.

## **CAMI S.R.L.**

### **MEASUREMENT INSTRUMENTS**

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o **Technical features.**

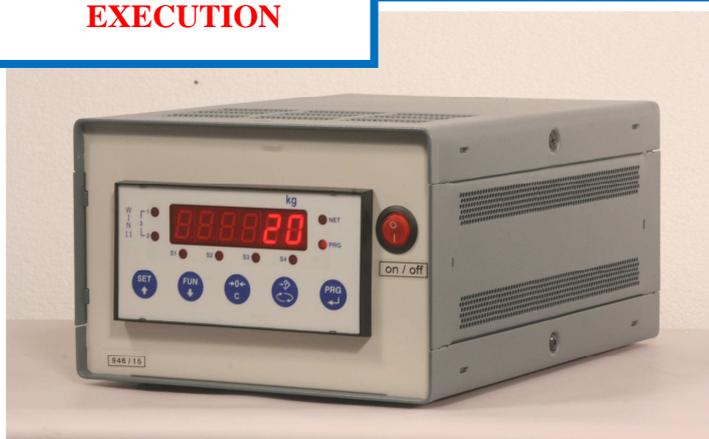
Multifunction digital unit for load cells  
Panel mounting execution  
Internal resolution: 24 bits  
Digital resolution: until 99.999 divisions  
Load cells measurement range: from -3,9 mV/V to +3,9 mV/V  
Digital filter: selectable 0,2 Hz ÷ 50 Hz  
Decimal digit: from 0 to 4  
Input sensibility: 0,02 µV min.  
Temperature drift: <0,0003% of full scale/°C  
Linearity error: <0,005% of full scale  
Supply load cells: until to 8 load cells (350 Ω) in parallel short circuit protected  
Zero and span calibration: by keyboard theoretical or with sample load  
Display with nr.6 Red Led 6 digit (height 14 mm)  
Nr. 8 Red Led for status indications  
Local keyboard for programming and setting, nr.5 mechanical keys  
Nr. 4 logic output with relays (max 115 V c.a. / 30 V c.c., 0,5 A each) and nr. 3 logic input  
Voltage supply: 230/115 V c.a. ± 15 %  
Power consumption: 7 VA max  
Working temperature range: -10°C ÷ +40°C  
Storage temperature range: -20°C ÷ +50°C  
Electrical insulation: class II  
Electric connections: screwed and extractable terminal board and 9 pins for serial output  
Dimensions: 144x72x135 mm (l x h x p) (terminal boards included)  
Drilling panel shape: 139x67 mm  
Protection degree (only frontal): IP54  
Codes: EN61000-6-1; EN61000-6-3; EN61010-6-1 ; EN45501

o **Options**

External output expansion unit with 8 relays  
Nr. 2 serial output Rs232, Rs422 e Rs485  
Analogue output (mA or V) with 16 bits resolution  
Analogue input 0 ÷ 5 V with resolution 10 bits  
Voltage supply 48 V 50/60 Hz or 12 Vdc  
External panel printer

**DESK RACK  
EXECUTION WITH  
PRINTER**

**DESK RACK  
EXECUTION**



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