



The HCU-100 is a digital loadcell readout unit featuring a high accuracy. Calibration class I.

The unit is especially suitable for pullbenches and test presses. For these applications a control function is an option. In that case the force increase can be kept constant during the tests.

The testresults can be displayed on an external PC or be printed with the optional ticketprinter.



### Features:

- ◆ Fully integrated loadcell interface
- ◆ 2 Software measurement ranges
- ◆ 3 Point calibration tables
- ◆ High accuracy due to 16-bits technology
- ◆ Datastorage in PC possible
- ◆ Suitable as a control system
- ◆ Multilanguage (NL, GB, D)

## *Electrical Specifications:*

Conforms	: EN50081-2:1993 en EN500802-2:1994
Unit supply	: 230VA, 18VA
Load-cell supply	: 10VDC
Minimum load-cell resistance	: 120 $\Omega$
Load-cell sensitivity	: 1 to 10 mV/V (notify at order)
Load-cell zeroïng	: automatical in software 0 to 10%
Digital inputs	: via potmeter -5 to 5%
Digital outputs	: 4, control potentialfree (Start, Stop, Range, Pause)
Analogue input	: 2, potentialfree, max. 30VAC/DC, 100 mA (Test end, Preload)
Analogue output	: 1, for loadcell
Resolution analogue input	: 1, 0 - 5 V, for displacement sensor
Resolution analogue output	: 16 bits = 0,002% : 12 bits = 0,03%, 3 mV

## *Mechanical Specifications:*

Panel measures	: cutout size: l x b: 300 x 152 mm, mounting depth: 300 mm.
Size	: front: l x b: 320 x 163 mm, casedepth: 230 mm.
Weight	: 5 kg
Fuse	: at backside

## *Software functions:*

Zeroïng upto 10% full scale  
 2 Measurementranges with tripoint calibration table per range  
 Peakhold  
 Breakdetection  
 Display of force (kN), displacement (mm) and force increase (kN/s)  
 Each ticket from the printer has a unique certificatenumber  
 When using a control function the force increase is kept constant

## *Ordering options:*

Loadcell sensitivity	: mV/V
Control option	: R
Testpress or pullbench	: P or T
Ticketprinter	: printer

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Dealer information: