

The U160 series crane scales are encapsulated in a stainless box in order to be used in wet environments, especially on fishing ships.

U1601 has 1500kg capacity with 0.1kg to 0.5kg interval.

This means 5 times better resolution at low weights than for single range with 3000 intervals.

The dead weight is low, and thus the scale is easy to move.

The load cell is completely encapsulated and thus a steel cell can be used with better performance than a stainless one.

The scale is well balanced, and there is no tilt fault at small loads.

The electronics is based on our U137 indicator. All features e.g, serial interface to printer or computer are available. More information is found in the datasheet for U137 series indicators.

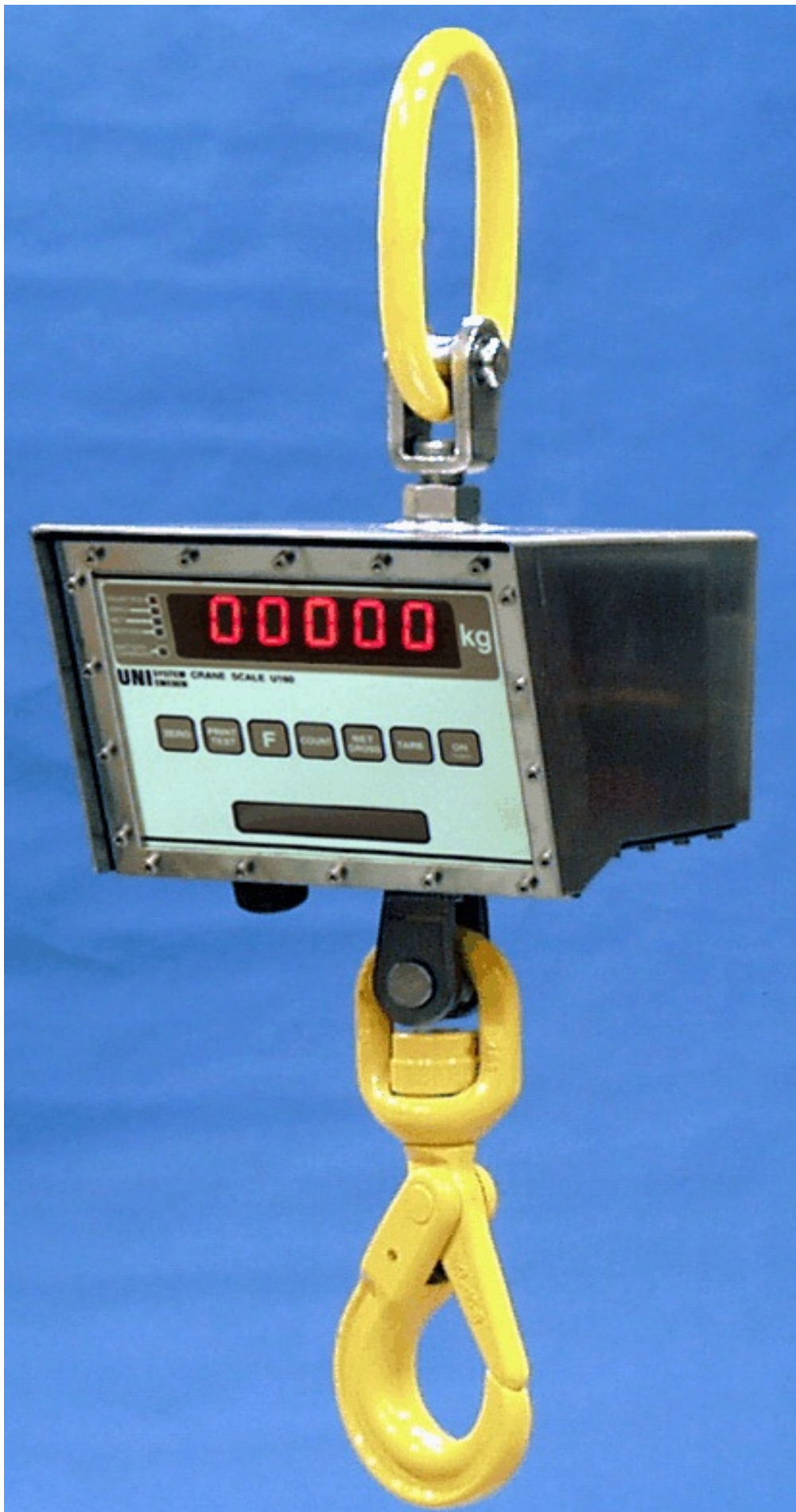
The display is of very bright LED type and the 20mm high digits can be read at distance of 8m.

The internal rechargeable battery lasts for continuous use during 20 hours.

A built-in timer improves the time still more. Over-charge and discharge protection improves the life time of the battery considerably.

The scale has older national type approvals.

The U137 indicator has a general type approval according to the EU-directive 90/384. The scale is also available with EC-verification and two ranges.



CE03 M  
 III 431

FI 98.1.02 R.1

**SPECIFICATION**

**RANGE:**

Model	Capacity/increment in kg		
U1601	1500/0.5	600/0.2	300/0.1

**ACCURACY:** 0,02% of the load or 3000 divisions OIML, class III in two ranges.  
 Repeatability, 0,01% of the load.  
 Creep during 20 minutes, 0,03% of the load.  
 Temperature drift at zero, 0,0040%/°C of full scale.  
 Temperature drift 0,0015%/°C of the load.

**DISPLAY:** 5 bright 20mm digits.  
 Minus sign. Indication of stability with MOTION, NET, zero within ±1/4 increment with ZERO and counting mode with COUNT. BATTERY CHARGED. Polarized filter for highest contrast.

**SPEED:** 1,25 measurements per second. On demand slower for better oscillation attenuation or faster.

**SERIAL OUTPUT:** There are many protocols to chose from, also own up to 60 ASCII characters and commands, which may be entered and stored.  
 Baudrate: 1200. 300 or 9600 baud can also be set.  
 The asynchronous interface and other signals are available via a waterproof fitting.

**POWER:** 12V, 7Ah rechargeable battery. On switch on the front with a timer of 13,7 minutes. It may be changed to 3,4, 6,8 or 27,3 minutes. The switch can also be changed to on/off function. 220V battery charger is included. Max charging current is 900mA. The battery is charged when BATTERY CHARGED is on continuously. The charge connector is protcted by a waterproof lid.

When the battery is discharged, the scale is switched off.  
 Charged battery lasts at least 20 hours or more, dependent on how many digits are on.

**TEMPERATURE RANGE:** -10 to + 40°C.

**HOUSING:** Stainless, polished steel with rubber sealing. The protection is excellent against water and electric interference.

**KEYBOARD:** Waterproof touch-type. A summer beeps at every push.

**DIMENSIONS:** LxWxH 276x196x300 excluding hook.  
 Window for stamping information 17x85mm.

**WEIGHT:** 9,3kg excluding link and hook.

**FUNCTIONS:**

**ZERO** sets the display to zero within -0.8% to +3,1% of full scale. Zero tracking keeps the zero.

When ZERO is pushed, the deviation from calibrated zero is displayed. In this way the condition of the load cell may be tested, as at heavy blows or overload, the zero moves.

**PRINT/TEST** sends information to the printer and then the scale is tested.

**COUNT** suggests 0, 1, 2, 5, 10, 20, 50 or 100 pieces for unit weight calculation and enters counting mode. The key is released at the number used. At 0 the earlier unit weight is used.

**NET/GROSS** switches between net and gross display. In net mode there is zero tracking.

**TARE** autotares the scale. It is possible to enter a tare value manually.

At power on, the following is displayed: Program number and date (ymmdd, where y is the last digit of the year, mm is the month and dd is the day), all display segments are switched on and off 5 times. Then gross weight mode is entered.

**OPTIONS:**

- U1609 Stainless link. Length 85mm. Diam. 18mm.
  - U1363 Hook with latch. Length 205mm.
  - U1365 Safety hook. Length 225mm.
  - U1367 Safety hook with swivel. Length 333mm.
- Description of these in the document B01360.

