



Remote Operating Unit for Operation and Configuration of a SysTec Blackbox Device or Weighing Terminal

DKU – Technical Data

Use of the DKU

The DKU is a universal remote operating unit for SysTec Blackbox devices or weighing terminals. It can be used as primary or secondary display in various weighing or filling installations.

The integrated display and keyboard provide weight control as well as on-sight scale calibration without auxiliary equipment.

Simple assembly, cable installation with pluggable terminals and clear-text calibration with or without test weights reduce the set-up times.

Display and operation

Backlit display with clear-text messages to display weight (6 digits, height of characters 15 mm) and symbols for scale status, e.g. taring, below zero, overload.

Up to 3 additional display lines (20 digits, height of characters 4 mm).

Keys for zero setting, taring, configuration and calibration.

Construction

- Panel-mount version for installation in door of a switch cabinet, front protected to IP65, NEMA 4X
- Flange-mount version with base plate for mounts manufactured by RAM Mounts, protected to IP65, NEMA 4X

Electrical connections

Supply voltage: 12 V DC,
power consumption: max. 1.2 VA.

Operating temperature

–10 to +40 °C at 95 % max. relative humidity
without condensation.

Options

- Connection cable for panel-mount version: RJ11 plug and open end towards Blackbox, length: 1.5 m, 3 m (standard, factory-supplied), 5 m, 10 m
- Connection cable flange-mount version: M12 plug (D coding), angled or straight, and open end towards Blackbox, 10 m length

Applications

A dedicated application software must be installed on the Blackbox to control the DKU! The Blackbox must be equipped with a SIM-RS232 module.

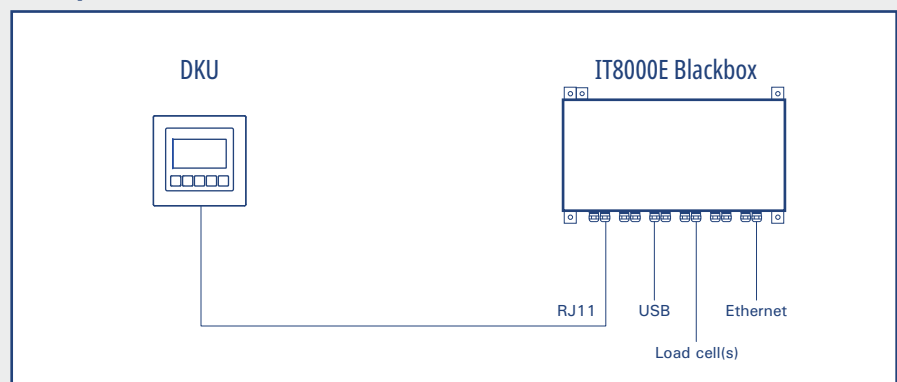
The following Blackbox types can be connected:

- IT2000M Blackbox
- IT8000E Blackbox (with special program)

Connections of Blackbox

- Load cells
- Incline sensor
- Printer
- RFID reader
- GSM modem
- WLAN access point
- Limit switch

Example: Connection of DKU to IT8000E Blackbox:



Panel-mount version	Flange-mount version	Blackbox
		
Dimensions W x H x D: 110 x 107 x 30 mm	Operating unit W x H x D: 100 x 94 x 35 mm (housing only)	E.g.: IT8000E Blackbox: Dimensions W x H x D: 265 x 179 x 65 mm

Directives: 2014/30/EU, 2014/35/EU

 EU parts certificate as terminal or secondary display

 Intertek

ETL certified in accordance with UL 62368-1 and CSA C22.2 No. 62368-1

Standards: EN 61000-6-2, NAMUR NE21,
EN 61000-6-4, EN 45501, EN 62368-1
OIML R 76-1, OIML R 61



NTEP approval in conjunction
with IT2000M Blackbox



EMI compliance with FCC Part 15



Measurement Canada:
Type approval in conjunction
with IT2000M Blackbox

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Sales and service

Subject to change without notice

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