



### APPLICATIONS SOFTWARE PRE-INSTALLED

- Counting, checkweighing, percent weighing, unit toggle, preset tare, animal weighing, net-total, formulation, statistics, calculation, timer, differential weighing (up to 999 samples), density determination, memory (300), diameter determination

### STANDARD FEATURES

- Factory Ex stainless steel terminal, designed for use in Zone 1 hazardous area with a built-in A/D converter (max. 60,000 digits, not for use in legal metrology).
- The backlit graphical display ensures excellent readability and high degree of operator convenience.
- Various applications can be programmed in scale's menu, such as checkweighing, net-total formulation, product data memory, printouts, timer function, etc.).
- A/D converter. Scale can be connected to all conventional strain gauge scales and analog platforms of the IF Series (flat-bed scales), as well as all Combics-EX Platforms (with EX-approval). Pursuant to Number 5.4 of EN 50020/1994, simple electrical equipment does not need certification or special marking if they fulfill the technical specifications.
- Standard RS-232 data interface (or optionally RS-485).
- Various installation options (bench mounted, floor stand, wall mounted, built into a control panel) are available.
- All cables are equipped with cable glands or threaded round connectors for networking.
- All Sartorius Ex-products have an additional ATEX-approval verification of intrinsic safety (for explosion protection document)

### SPECIFICATIONS

#### CAPACITY:

up to 120t (max. 60,000 digits, not for use in legal metrology)

#### BRIDGE IMPEDANCE:

83 ohms minimum (FCT01-XV1:  
140 ohms minimum)  
2,000 ohms maximum (FCT01-XV1:  
2,000 ohms maximum)

#### SENSOR TECHNOLOGY:

6-conductor technology  
4-conductor technology

#### HOUSING:

Tilted design  
Footprint 87 x 268 mm  
Front 268 x 144 mm  
Stainless steel, AISI 304

#### POWER SUPPLY:

Via separate power supply (choice of power supply either for use within or outside a hazardous area)

#### BRIDGE SUPPLY VOLTAGE:

Amplitude 5.2V dc  
Constant voltage ( $\pm 2.6V$  dc)

#### INPUT VOLTAGE:

0.05 mV/V minimum  
3.6 mV/V maximum

#### ANALOG SIGNAL INPUT VARIATION:

0.5 mV/V minimum  
3.3 mV/V maximum

#### PARTIAL ERROR OF THE

#### ELECTRONICS:

$\pi = 0.5$  6,250e  
 $\pi = 0.3$  3,750e

#### DATA TRANSFER FROM HAZARDOUS AREAS:

Via Zener barrier

#### DEAD WEIGHT:

Maximum for dead weight 0.7 mV/V  
Minimum for dead weight 0.05 mV/V

#### TEMPERATURE RANGE:

0°C - + 40°C

#### CABLE CAN BE CONNECTED TO LOAD RECEPTOR (RECOMMENDED):

8 x 0.5 mm : Length  $\leq 150$ m, model LIYCY (resistance over the entire length of one wire:  $< 13$  ohms)  
Braided: round copper wire, tin-plated, 80% sheathed

#### APPROVAL FOR USA (FM)

Canada (CSA):  
IS CL I, II, III, DIV1, GP A, B, C, D, E, F, G T4  
CL I DIV1GP A, B, C, D T4

#### IP PROTECTION RATING:

IP65

#### WARRANTY:

Two-year limited warranty  
Accessories one year

RLWS PN	SARTORIUS PN	DESCRIPTION	EST. SHIP WEIGHT (LB)
100960	FCT01-X*	Protection rating IP-65	7
<b>OPTIONS/ACCESSORIES</b>			
46520	YD103-Z	Zenier Barrier 4 data / 4 control / 60 ft cable	
72130		Communication cable 12 pin (round male to DB9 female 16 ft)	
103068	YRB02-X	Intrinsically Safe Battery pack (requires 103069)	
103069	YRB02-LD	Charger for battery pack	
46517	YPS02-ZKR	Safe area power supply	
46518	YPS02-XKR	Hazardous area power supply	

\*The power supply must always be ordered separately depending on the area of use.

**C&M SCALE**  
CALL FOR A QUOTE!  
www.cmscale.com

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