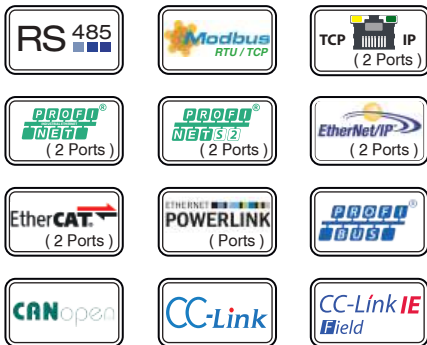


# TX20D Digital Transmitter

For weight and force sensors



## Advantages

- Much more reliable weighing with digital load cells.
- It prevents faulty production by alerting the operator in the event of load cell malfunction.
- Even in the event of a load cell failure, production can continue with a weighing error of up to 0.1% in liquids
- High reliability with triple isolation,
- All Ethernet interface products feature dual ports for daisy-chain connection,
- Programming and calibration via PLC or PC,
- Remote programming via Web page (EN variant),



TX20D digital transmitters are extremely accurate and reliable measuring devices designed for static and dynamic weighing processes consisting of digital load cells.

Since TX20D communicates with digital load cells individually, it instantly detects any fault in the system and alerts the operator. Its intelligent embedded firmware allows production to continue in the event of any digital load cell failure.

TX20D transfers reliable measurement info to your PLC/SCADA/PC system accurately and at high speed. Dual Ethernet port products provide the connection to the data line in a daisy chain configuration.

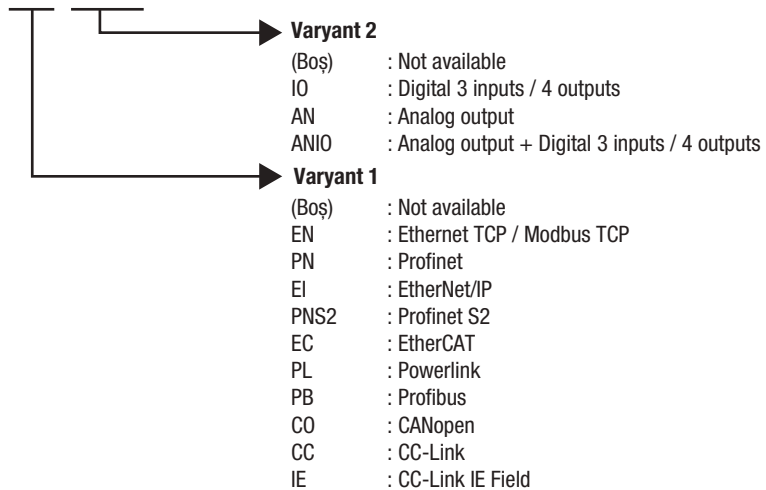
TX20D can be easily programmed via the keys under the guidance of the alphanumeric display.

# Technical Specifications

Load cell and quantity	Up to a maximum of 10 Baykon or Flintec digital load cells.
Load cell communication	Galvanically isolated RS485
Load cell supply voltage	12 VDC, max. 1200 mA.
Resolution	Internal: Equivalent to the digital load cell resolution. External: Max. 200 000 resolution (weight/force mode), In counting mode, 100 000 counts for bipolar input and 200 000 counts for unipolar input .
Calibration and programming	Using the buttons on the device, or with BAYKON xFace2x PC software, or via Fieldbus, or high-accuracy electronic zero and gain adjustment without using a test load
Digital filter	8-step programmable digital adaptive filter.
Weighing functions	Taring, zeroing, auto zero tracking, auto tare, auto clear, auto print-out, motion detection, auto zero at power up, tare memory in case of power failure, peak hold, display hold.
RS-485 serial port	1200 - 115200 baud, Length 7 or 8 bits; even/odd/none, Continuous data output, BSI or Modbus RTU.
Digital input and output	3 opto-isolated 12 - 24 VDC digital inputs and 4 opto-isolated 12 - 24 VDC digital outputs
Power supply	10 - 28 VDC, min. 60 mA ~ max. 600 mA (varies depending on model and number of load cell connections)
Operating conditions	-15 °C to +55 °C, 85% RH non-condensing
Enclosure material, type and protection class	Polyamide, DIN-rail type, IP20
Package dimensions and weight	132 x 112 x 30 mm, 254 g

## Order code

### TX20D EN-ANIO



## Typical Application

