

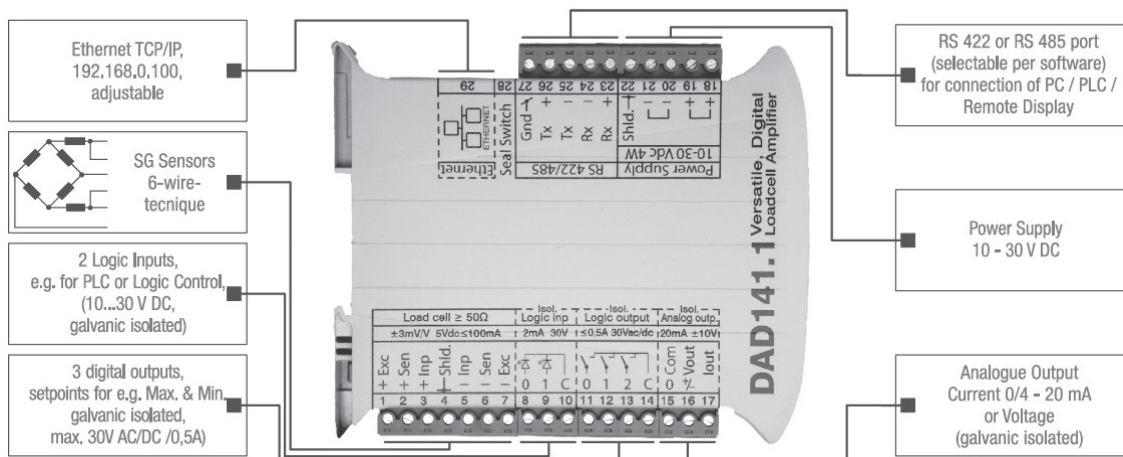


AMELIOREZ VOS PROCESS AVEC UN TRANSMETTEUR OUVERT ET PERFORMANT

Transmetteur de poids haut de gamme, le DAD 141 assure les connexions nécessaires entre un process de fabrication et des automates. Il constitue le maillon de base de toute chaîne de mesure du poids. Économique mais performant, il dispose en standard de toutes les interfaces nécessaires à son intégration au sein de tout système automatisé. La partie métrologique n'est pas en reste puisqu'elle peut atteindre une fréquence de 600 Hz pour l'acquisition des signaux capteurs. Une interface Ethernet permet d'accéder en réseau aux paramètres du transmetteur.

CARACTERISTIQUES TECHNIQUES

Specifications		ENVIRONMENTAL CONDITIONS	
Type	DAD 141.1	Operating temperature	-15 °C to +55 °C at maximal 85% rh, non condensing
Accuracy class	III	Storage temperature	-30 °C to +70 °C
Test certificate according OIML R76	EU Type approved for 10000 intervals	Enclosure & protection	Plastic housing, for DIN rail mount, protection IP40
AD converter	Delta-Sigma, ± 24 bit	Dimensions and weight	120 x 105 x 22.5 mm (H, L, W), weight approx. 170 g
Analogue input range	± 15 mV bipolar (± 3 mV/V @ 5 VDC excitation)	EMC performance	EN61326 according to MID E2 for industrial applications (in full accordance with 2004/22/EC)
Minimum input sensitivity	0.25 μ V/e (legal for trade); 0.05 μ V/d (non legal for trade)	Vibration resistance	2.5g @ operation, 5g @ storage
Linearity	< 0.001 % FS	RS422/RS485 INTERFACE	
Temperature effect on zero	< ± 4 ppm/°K (typical < ± 2 ppm/°K)	Serial port	RS 422/485, 9600 ... 115200 baud (8N1), half/full duplex
Temperature effect on span	< ± 8 ppm/°K (typical < ± 4 ppm/°K)	Protocol	ASCII
Excitation	5 V DC, > 50 Ohms (up to 6 load cells at 350 Ohms or 18 load cells at 1,100 Ohms, parallel connected); 6-wire technology	Address range	1 ... 31
Conversion rate	max. 600 values/second, selectable in 8 steps	ETHERNET INTERFACE	
Resolution external	± 600 000 counts @ ± 3 mV/V input signal	Ethernet / Modbus	RJ45, 10/100 Mbit/s, isolated
CALIBRATION & WEIGHING FUNCTIONS		Protocol	Ethernet TCP/IP (port 23) or Modbus TCP/IP (port 502)
Calibration	Electronical calibration in mV/V (eCal) or with test weight(s)	IP Address	Manual setup via serial port or panel buttons – factory default 192.168.0.100
Digital low pass filter	FIR Filter 2.5...19.7 Hz or IIR Filter 0.25...18 Hz – adjustable in 8 steps	ANALOG-OUTPUT	
Weighing functions	Zero, gross, tare, net, filter, etc.	Analog current output	0 – 20mA or 4 – 20mA, 500 ohm, isolated, or
Application modes	None automatic weighing instrument (NAWI) or triggered measurements (Checkweigher)	Analog voltage output	0 ... 10V, 0 ... 5V, -5 ... +5V, -10 ... +10V, 10 k Ω , isolated
COMMUNICATION & SETUP		DIGITAL IN-/OUTPUTS	
Communication ports	RS 422/485 and Ethernet TCP/IP	Digital inputs	2 inputs (10 – 30V, < 3mA), common ground, opto-isolated
Setup & Calibration	Via panel buttons or Windows software "DOP 4" or smartphone app "AnDop"	Digital outputs	3 outputs (semiconductor relais) 30V AC/DC, 0.5A, common ground, opto-isolated
Display	6 digit 7 segments, green LED's, 5.08mm, 8 status LED green, spectral filter 565nm for improved contrast		
Keyboard	4 pcs, $\emptyset$ 3mm robust, for setup / calibration, zero, tare		
POWER SUPPLY			
DC power supply	10 ... 30 V DC, < 4 W		



Ce document n'est pas contractuel VALDATA ou le constructeur se réservant toute modification.