

# Ultrasonic Diffuse, Analogue and Digital Output Types UA18CAD.....TI

CARLO GAVAZZI



- Cylindrical M18 PBT housing
- Sensing distance: 50-2200 mm
- Power supply: 15 to 30 VDC
- Outputs: 0-10 VDC or 4-20 mA and one switching output NPN or PNP, NO or NC.
- Linearity error 1%
- Repeatability 0.5%
- Beam angle.  $\pm 7^\circ$  or  $\pm 8^\circ$
- Protection: Short-circuit, reverse polarity and overvoltage
- Protection degree IP 67
- 2 m cable or M12 plug

## Product Description

A family of diffuse ultrasonic sensors with sensing range from 50-400 mm, 100-900 mm and 200-2200 with a resolution as low as 1.0 mm. The sensor contains both an analogue and a digital output. The output is either 0-10V or 4-20 mA and the digital output NPN or PNP, NO or NC which forms a win-

dow detection. The sensor is the ideal choice for distance measurement, level measurement, diameter measurement or loop control. Due to use of microprocessor control the digital filtering makes the sensor immune to most electromagnetic interferences.

## Ordering Key

UA18CAD04NGM1TI

Ultrasonic sensor	_____
Housing style	_____
Housing size	_____
Housing material	_____
Housing length	_____
Detection principle	_____
Sensing distance	_____
Output type	_____
Output configuration	_____
Connection	_____
Teach-in	_____

## Type Selection

Housing diameter	Connection	Rated operating dist. (S <sub>n</sub> )	Analog Output	Digital output NPN/PNP	Ordering no.
M18	Plug M12	50-400 mm	4-20 mA	NPN	UA 18 CAD 04 NG M1 TI
M18	Cable	50-400 mm	4-20 mA	NPN	UA 18 CAD 04 NG TI
M18	Plug M12	50-400 mm	0-10 V	NPN	UA 18 CAD 04 NK M1 TI
M18	Cable	50-400 mm	0-10 V	NPN	UA 18 CAD 04 NK TI
M18	Plug M12	50-400 mm	4-20 mA	PNP	UA 18 CAD 04 PG M1 TI
M18	Cable	50-400 mm	4-20 mA	PNP	UA 18 CAD 04 PG TI
M18	Plug M12	50-400 mm	0-10 V	PNP	UA 18 CAD 04 PK M1 TI
M18	Cable	50-400 mm	0-10 V	PNP	UA 18 CAD 04 PK TI
M18	Plug M12	100-900 mm	4-20 mA	NPN	UA 18 CAD 09 NG M1 TI
M18	Cable	100-900 mm	4-20 mA	NPN	UA 18 CAD 09 NG TI
M18	Plug M12	100-900 mm	0-10 V	NPN	UA 18 CAD 09 NK M1 TI
M18	Cable	100-900 mm	0-10 V	NPN	UA 18 CAD 09 NK TI
M18	Plug M12	100-900 mm	4-20 mA	PNP	UA 18 CAD 09 PG M1 TI
M18	Cable	100-900 mm	4-20 mA	PNP	UA 18 CAD 09 PG TI
M18	Plug M12	100-900 mm	0-10 V	PNP	UA 18 CAD 09 PK M1 TI
M18	Cable	100-900 mm	0-10 V	PNP	UA 18 CAD 09 PK TI
M18	Plug M12	200-2200 mm	4-20 mA	NPN	UA 18 CAD 22 NG M1 TI
M18	Cable	200-2200 mm	4-20 mA	NPN	UA 18 CAD 22 NG TI
M18	Plug M12	200-2200 mm	0-10 V	NPN	UA 18 CAD 22 NK M1 TI
M18	Cable	200-2200 mm	0-10 V	NPN	UA 18 CAD 22 NK TI
M18	Plug M12	200-2200 mm	4-20 mA	PNP	UA 18 CAD 22 PG M1 TI
M18	Cable	200-2200 mm	4-20 mA	PNP	UA 18 CAD 22 PG TI
M18	Plug M12	200-2200 mm	0-10 V	PNP	UA 18 CAD 22 PK M1 TI
M18	Cable	200-2200 mm	0-10 V	PNP	UA 18 CAD 22 PK TI