

# CD ONE TRP



## PROTECTED ROLLERS SINGLE JET METER

CD ONE TRP is the ultimate single-jet meter expression. Thanks to its mechanical transmission, it offers high metrological performance and is insensitive to external magnetic fields. Its "protected rollers" solution, first developed by Maddalena, ensures perfect legibility over time. Compact, robust and suitable for the most challenging environments, it is compatible with all types of water. It can be equipped with the latest remote data transmission technologies.

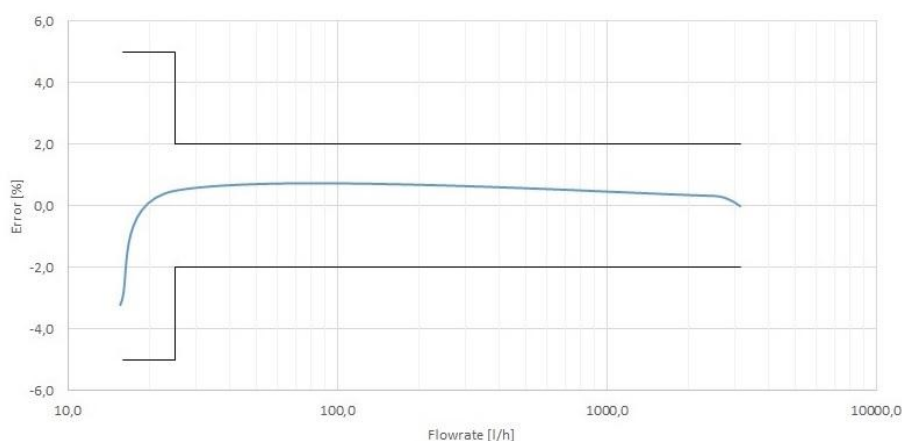
# CD ONE TRP

## FEATURES

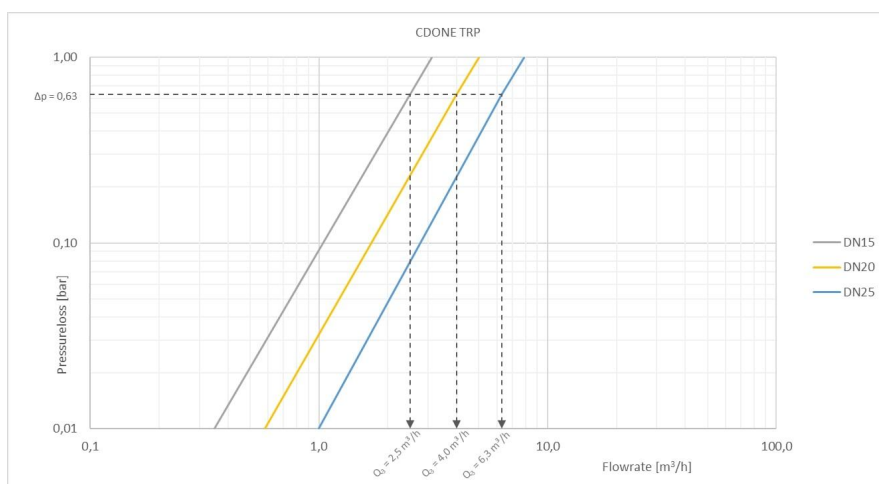
- Protected rollers single jet meter for hot or cold water
- Ideal for utilities and outdoor installations
- MID-certified: R max 250
- DN: 15÷25
- Health certifications available for a number of countries
- Supports various installation positions
- Mechanical transmission unaffected by external magnetic fields
- Mineral glass lens
- Number rollers, approval class and serial number are located in the protected part
- Ready for optional reed switch (1P=1-10-100-1000L) or static pulse emitter (1P=1-10L)



## TYPICAL ERROR CURVE



## HEAD LOSS DIAGRAM



METROLOGICAL PERFORMANCE

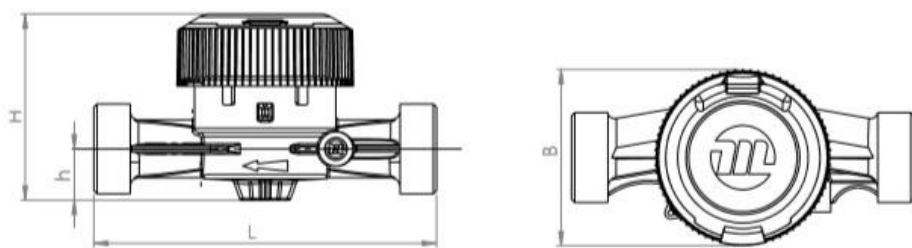
Size	mm	15	20	25
	in	½	¾	1
Module B no.			TCM 142/08-4627	
Module D no.			0119-SJ-A010-08	
Q <sub>3</sub> /Q <sub>1</sub> = R Referred to installation position			H↑ ≤ 250 V↑ ≤ 100	
MID standard performance *				
Q <sub>3</sub>	m³/h	2,5	4	6,3
Q <sub>4</sub>	m³/h	3,13	5	7,88
R			160	
Q <sub>1</sub>	l/h	15,63	25	39,38
Q <sub>2</sub>	l/h	25,01	40	63,01

\* Other values of R available upon request.

TECHNICAL DATA

Maximum permissible error between Q <sub>1</sub> and Q <sub>2</sub> (excluded)		+/- 5%		
Maximum permissible error between Q <sub>2</sub> (included) and Q <sub>4</sub>		+/- 2% with water temperature ≤ 30°C +/- 3% with water temperature > 30°C		
Temperature class		T30,T50,T30/90		
Flow profile sensitivity classes		U0 – D0		
Starting flow rate	l/h	4-5	7-9	16-18
Head loss		ΔP63		
Nominal pressure	bar	16		
Maximum reading	m³	99.999		
Minimum reading	l	0,05		
Indicative weight	kg	0,75	0,92	1,25

## DIMENSIONS



Size	mm	15	20	25
	in	½	¾	1
Thread	in	G ¾ B	G 1 B	G 1 ¼ B
L	mm	110/115	130	160
H	mm		87	
h	mm		25,5	
B	mm		82	

## COMMUNICATION MODULES



ARROW<sup>EVO</sup> 868  
SPLIT



ARROW<sup>WAN</sup> 169  
SPLIT



ARROW<sup>WAN</sup> 868  
SPLIT



ARROW<sup>WAN</sup> NB-IoT  
SPLIT



REED SWITCH



QUADRAPLUS

For more information on all the accessories available, consult the specific technical data sheets on the website [www.maddalena.it](http://www.maddalena.it)